

David Herzog

131-C Neff Annex | 573-882-2127 | herzogd@missouri.edu

CURRENT POSITION

Professor, Missouri School of Journalism, University of Missouri-Columbia
Academic adviser, National Institute for Computer-Assisted Reporting (NICAR)

TEACHING EXPERIENCE

University of Missouri-Columbia, School of Journalism

Professor (Sept. 2016-current)

Associate professor (Sept. 2007-Aug. 2016)

NICAR computer-assisted reporting boot camps (2002-current)

NICAR mapping boot camps (2002-2017)

Freshman Interest Group, co-facilitator (2006-2008)

Assistant professor (Jan. 2002-Aug. 2007)

University of Missouri-Columbia, MU Institute for Data Science and Informatics

Professor, online M.S. in Data Science and Analytics (2017-current)

EDUCATION

Bachelor of Arts, Temple University, Philadelphia, Pa., major in radio-television-film (May 1984, *magna cum laude*)

CLASSES TAUGHT AND DEVELOPED

JOUR 7430 Computer-Assisted Reporting (3 cr.)

Developed an eight-week version of class for online graduate certificate in interactive media. (2019-2020)

JOUR-4430/7430 Computer-Assisted Reporting (3 cr.)

Two sections each semester with undergraduate and graduate students from all sequences (spring 2002 – current, except while on Reynolds Journalism Institute fellowship 2010 –2011)

Also teach three times yearly to journalism school students at weeklong NICAR CAR boot camps (2002-current)

DATA-SCI-7001: Topics in Data Science and Analytics (3 cr.)

Developed and teach data journalism as a topics class in the university's online M.S. in Data Science and Analytics program. (2018-current)

DATA SCI-8001: Advanced Topics in Data Science (3 cr.)

Direct journalism capstone projects for students enrolled in the university's online M.S. in Data Science and Analytics program (2018-current)

DATA SCI-8680: Big Data Analysis Case Study (3 cr.)

Direct summer journalism case studies (hands-on projects) for students enrolled in the university's online M.S. in Data Science and Analytics program. (2017-current)

JOUR-4050/7450 Communication Practice (credit varies)

Huiqi Xu on working with federal employee data (2018)
Chris Hamby on using mapping to report the news (2009)
Kevin Quealy on using mapping for information graphics (2007)
Sean Sposito on using mapping to report the news (2007)
Tanner Flowers on using mapping to report the news (2007)
Tyson Anderson on using mapping for information graphics (2007)
Grant Smith on using mapping to report the news (2007)
Lindsey Wilkes-Edrington for internship at The Augusta Chronicle (2006)
Coulter Jones on using mapping to report the news (2006)
Elaine Kelly on using mapping to report the news (2005-2006)
Alejandra Fernández-Morera on using mapping to report the news (2005)
Theresa Wieberg on using mapping to report the news (2005)
Amber Taufen on using mapping to report the news (2005)
Jacob Jost on using mapping to report the news (2005)
Holly Hacker on using mapping to report the news (2003)
Cara Demichele on using mapping to create news graphics (2003) (Conducted with Reuben Stern.)

JOUR-4440/7440 Mapping for Stories and Graphics (2 cr.)

Taught yearly on unpaid overload basis
Co-taught as part of NICAR mapping weekend boot camps (fall 2010-fall 2017)
Taught as regular scheduled class (fall 2008 – fall 2009)
Not taught in fall 2014 because of no enrollment
Not taught in fall 2018-current because of low enrollment.

Honors College learning-by-contract instructor

JOUR-4430 Computer-Assisted reporting, Tess Vrbin (2019)
JOUR-4430 Computer-Assisted reporting, David Reynolds (2019)
JOUR-4430 Computer-Assisted reporting, Ruth Serven (2016)
JOUR-4430 Computer-assisted reporting, Andrew Gibson (2013)
JOUR-4430 Computer-assisted reporting, Alaina Zermeno (2011)
JOUR-4430 Computer-assisted reporting, Brandon Schatsiek (2009)
JOUR-4430 Computer-assisted reporting, Kurt Austin (2007)
JOUR-4430 Computer-assisted reporting, Sheena Martin (2006)

GEOG-3383 Independent study adviser
Darla Cameron on GIS in journalism (2007)

Journalism Freshman Interest Group
Co-facilitator (2006-2008)

INVESTIGATIVE REPORTERS AND EDITORS

Academic adviser, National Institute for Computer-Assisted Reporting. NICAR is a joint program of the Journalism School and IRE that is operated by IRE. (2002-current)

IRE-Mizzou Watchdog Series:

Organize IRE events three times a semester for Missouri School of Journalism students, faculty and staff. Recruit and coordinate with speakers. Developing a template for presentations and logistics that can be replicated on other campuses across the country. (2018-current)

Dow Jones News Fund:

Residency director, data journalism program (2016-current). Match university students' applicants nationwide for newsroom data journalism internships. Lead weeklong training for interns at the Missouri School of Journalism. Visit interns at their summer internships. Launched remote residency for summer 2020 interns.

Boot camp training:

Co-instructor, data visualization using Tableau Desktop mini-boot camp, yearly at Missouri School of Journalism. Coordinate and schedule weekend training for up to 16 participants. Developed training materials. (2019)

Lead instructor, CAR boot camps three times yearly at Missouri School of Journalism. Coordinate and schedule weeklong training for up to 22 participants, including two to three students. (2002-2019)

Co-instructor, mapping mini-boot camps, yearly at Missouri School of Journalism. Coordinate and schedule weekend training for up to 16 participants, including two to three students. (2002-2017)

Oversaw revisions to CAR boot camp training materials. (2007)

Introductory workshop for Society of Professional Journalists-Missouri School of Journalism student chapter at Missouri School of Journalism. (2006)

Knight Ridder Boot Camp at Missouri School of Journalism. (2005)

Korea Press Foundation Boot Camps at Missouri School of Journalism. (Two in 2005)

Better Watchdog Workshop/Campaign Finance Workshop at Missouri School of Journalism. (2005)

Korean Broadcast System Boot Camp at Missouri School of Journalism. (2002)

Mapping the Census at Missouri School of Journalism. (2002)

Database services:

Assist NICAR data services director with planning and operations. Work with graduate research assistants at least 10 hours each week. (2002-current)

Interim director, during search for replacement. Executed plan to sell data on ProPublica Data Store. (Sept. 2016-Jan. 2017)

Interim co-director during vacancy. (May 2009- Aug. 2010)

Interim director, during search for replacement. (Jan-May 2008)

Other service:

Selector, David Donald Fellowship for Data Journalism, national annual award for faculty members to attend NICAR conference or CAR boot camp in Columbia. (2019-current)

Help plan panels and hands-on sessions at Investigative Reporting and NICAR annual conferences. (2002-current)

Selector, IRE-Esri mapping training fellowships, 13 awarded yearly. (2013-2015)

Mapping analysis with graduate research assistant Andrew Kreighbaum. *Where the most dangerous ATMs are located* for KSDK-TV. (Nov. 19, 2015)

Mapping analysis with graduate research assistant Andrew Kreighbaum. *10 spots most St. Louis car break-ins occur* for KSDK-TV. (May 18, 2015)

Developed Rate and Ratios in Excel lesson plan for instructors and students as part of NICAR Course Packs. (2014)

Uplink:

Managing editor of NICAR's online data journalism publication. Assign and perform first-read edits of articles written by leading data journalists and graduate students. Oversaw transition from print to Web. Subscriber-based with around 200 paid accounts, including libraries and international journalists. (Aug. 2002-2016)

Assistant managing editor, *Uplink*. Helped assign and edit articles for print publication. (March 2002-Aug. 2002)

COMPUTER PROGRAMS USED OR TAUGHT

Learning management systems: Canvas

Spreadsheets: Microsoft Excel, LibreOffice Calc, Google Sheets (also teach)

Database managers: SQLite, Microsoft Access, MySQL (also teach)

Visualization: Tableau Desktop, Tableau Public (also teach)

Geographic information systems: QGIS and Esri ArcGIS (also teach)

Statistics: R and SPSS

Programming/version control: Python 3, Git, GitHub and JupyterHub

Content management systems: WordPress

Web: HTML5 + CSS3

EXTERNAL BOARDS AND ADVISORY POSITIONS

SAGE Publications data advisory board member (2019-current)

Academic adviser, Dy Dimension Data Media Lab at Wuhan University, Wuhan, China (June 2015-current)

Board secretary, Midwest Center for Investigative Reporting, Champaign, Ill. (2012-current)

PUBLICATIONS AND CREATIVE WORK

News reporting and writing, The Missouri Group. Revised Ch. 17, Investigative and Data-Driven Reporting for 13th Edition. (2018)

Data literacy: A user's guide, Chinese translation of textbook by Renmin University Press. (2018)

2017 Annual Report of Chinese Data Journalism Development, Social Sciences Academic Press, Beijing, China. Adviser. (2018)

Mapping for stories: A data journalism guide, by Jennifer LaFleur, David Herzog and Charles Minshew, Investigative Reporters and Editors. (2018)

Contributor, NICAR-Learn training videos for data journalism (2015-current)

Contributor, Dy Dimension Data Media Lab blog at Wuhan University, Wuhan, China (2015-current)

News reporting and writing, The Missouri Group. Revised Ch. 17, Investigative and Data-Driven Reporting for 12th Edition. (2017)

Data literacy: A user's guide, textbook by SAGE Publications. (2015)

What journalists need to know about FOIAonline, Investigative Reporters and Editors Transparency Watch. (2012)

EconoCheck, Investigative Reporters and Editors and the Sunlight Foundation with Bill Allison from Sunlight. (2012)

Project OpenVault, Missouri School of Journalism. (2012)

U.S. newspaper reporters' perceptions and use of government data, research study with Ming Dai and Ken Fleming, Reynolds Journalism Institute. (2011)

OpenMissouri.org, Reynolds Journalism Institute. (2011)

Using GIS: When a map is worth a thousand words, Reporting on Health. (2008)

Computer-assisted reporting creates new knowledge, with Brant Houston, in "What Good is Journalism?" edited by George Kennedy and Daryl Moen, University of Missouri Press. (2007)

Mapping the news: Case studies in GIS and journalism, book by Esri Press. (2003)

INTERVIEWS GRANTED

Press Freedom Under Threat, International Press Freedom Mission to the United States. (2018)

Peace Corps alumni, drug safety groups press NPR to release Daniel Zwerdling's investigative report, by April Simpson, Current. (2018)

Hacking the curriculum: How to teach data reporting in journalism schools, by Samantha Sunne, American Press Institute. (2016)

Obtaining police emails can take months, cost thousands, by Terry Spencer, AP (2016)

Communities of practice in data journalism, Tow-Knight Center at CUNY. (2016)
Teaching data and computational Journalism, Columbia Journalism School. (2015)
Putting the data science in journalism, Communications of the ACM. (2015)
The art and science of data-driven journalism, The Tow Center for Digital Journalism. (2014)
How J-schools are tackling the demand for data journalism skills, PBS Mediashift. (2014)
How Temple is helping ensure the future of data journalism, School of Media and Communication, Temple University. (2014)
Data journalism: A primer for science journalists, The Open Notebook. (2014)
Data journalism for a database age, Quill. (2013)
Computer-assisted reporting, video interview for News Reporting and Writing, 11th edition. (2013)
In the age of big data, data journalism has profound importance for society, O'Reilly Radar. (2012)
How much programming should journalism students learn?, Journalism Student Weekly. (2012)
McClatchy's Star leads in digital Kansas City, NetNewsCheck. (2011)
Newspaper layoffs take their toll on local investigative reporting, About.com Journalism. (2011)
Requesting metadata with electronic records, The News Media & The Law. (2011)
Computer-assisted reporting, Der Blinde Fleck (the German equivalent of Project Censored). (2009)
Freedom of information, KBS (the Korean Broadcast System). (2008)

PRESENTATIONS AND TRAINING

Data journalism online teaching week, Communication University of China, Beijing. (June 2020)
Dow Jones News Fund data journalism internship online boot camp, trainer at the Missouri School of Journalism. (May 2020)
Investigating higher ed amid COVID-19, organizer for IRE-Mizzou Watchdog Series webinar at the Missouri School of Journalism. Guest speakers: Elizabeth Brixey, Missouri School of Journalism, Michael Vasquez, Chronicle of Higher Education, Shera Avi-Yonah, The Harvard Crimson and Mike Hiestand, Student Press Law Center. (April 2020)
Advanced Tableau visualization, hands-on training at NICAR Conference, New Orleans. (March 2020)
SQL car wash, hands-on training at NICAR Conference, New Orleans. (March 2020)
Backgrounding the IRE way, organizer for IRE-Mizzou Watchdog Series event at the Missouri School of Journalism. Guest speakers: Jamie Grey, InvestigateTV and Charles Minshew, IRE (Feb. 2020)
Building a career in data journalism, organizer for IRE-Mizzou Watchdog Series event at the Missouri School of Journalism. Guest speakers: Denise Malan, Patti DiVincenzo and Cody Winchester, IRE (Nov. 2019)
Fighting for public documents, organizer for IRE-Mizzou Watchdog Series event at the Missouri School of Journalism. Guest speaker: Kelsey Ryan, National Freedom of Information Coalition. (Oct. 2019)
Data mapping for journalists, presentation to visiting Zhejiang Daily Press Group journalists at the Missouri School of Journalism. (Sept. 2018)

Data journalism hands-on training for Kazakhstan journalists, iMedia Project School for Multimedia Journalism, Almaty, Kazakhstan, (Sept. 2019)

Investigating with IRE resources, speaker for IRE-Mizzou Watchdog Series event at the Missouri School of Journalism. (Sept. 2019)

Data journalism, presentation to visiting Beijing Radio-TV Group journalists at the Missouri School of Journalism. (Oct. 2018)

Status and future of data journalism in the United States, keynote speech at Data New Media and Data Journalism Education International Exchange Forum, Wuhan University School of Journalism and Communication, Wuhan, China. (June 2019)

Data journalism education in the United States, keynote speech at Data New Media and Data Journalism Education International Exchange Forum, Wuhan University School of Journalism and Communication, Wuhan, China. (June 2019)

Intelligent media education in the era of intelligence, panel at the 10th U.S.-China Media Education Conference, at Wuhan University, Wuhan, China. (June 2019)

International best practices in digital journalism education, keynote speech at the 10th U.S.-China Media Education Conference, at Wuhan University, Wuhan, China. (June 2019)

Dow Jones News Fund data journalism internship boot camp, trainer at the Missouri School of Journalism. (May 2019)

Data journalism teaching week, Communication University of China, Beijing. (May 2019)

Backgrounding the IRE way, coordinator for IRE-Mizzou Watchdog Series event at the Missouri School of Journalism. (April 2019)

Lessons from top television investigators, moderator and coordinator for IRE-Mizzou Watchdog Series event at the Missouri School of Journalism. (March 2019)

Data science in data journalism, presentation to M.S. in Data Science and Analytics students at the University of Missouri. (March 2019)

Mapping mini-boot camp QGIS, hands-on training at NICAR Conference, Newport Beach, Calif.. (March 2019)

The Jungle revisited: Investigating Missouri slaughterhouses, moderator and coordinator for IRE-Mizzou Watchdog Series event at the Missouri School of Journalism. (Feb. 2019)

How the Columbia Missourian uncovered lax sex-crime investigations statewide, moderator and coordinator for IRE-Mizzou Watchdog Series event at the Missouri School of Journalism. (Nov. 2018)

A look at faculty skills, topic areas and learning interests, presentation for the Missouri School of Journalism Innovation, Research and Entrepreneurism committee. (Oct. 2018)

Data mapping for journalists, presentation to visiting Zhejiang Daily Press Group journalists at Missouri School of Journalism. (Oct. 2018)

Data mapping for journalists, presentation to visiting Zhejiang Daily Press Group journalists at Missouri School of Journalism. (Sept. 2018)

How IRE can help boost your investigative reporting skills, moderator and coordinator for IRE-Mizzou Watchdog Series event at the Missouri School of Journalism. (Sept. 2018)

Data journalism teaching week, Communication University of China, Beijing. (May 2018)

Dow Jones News Fund data journalism internship boot camp, trainer at the Missouri School of Journalism. (May 2018)

Data science in data journalism, presentation to M.S. in Data Science and Analytics students at the University of Missouri. (April 2018)

Mapping mini-boot camp, hands-on training at NICAR Conference, Chicago. (March 2018)

Data journalism hands-on training for Kazakhstan journalists, Almaty, Kazakhstan, (January 2018)

Data mapping for journalists, presentation to visiting Zhejiang Daily Press Group journalists at Missouri School of Journalism. (Oct. 2017)

Data mapping for journalists, presentation to visiting Zhejiang Daily Press Group journalists at Missouri School of Journalism. (Aug. 2017)

Dow Jones News Fund data journalism internship boot camp, trainer at the Missouri School of Journalism. (May 2017)

Data science in data journalism, presentation to M.S. in Data Science and Analytics students at the University of Missouri. (April 2017)

Saving data in the Trump era and beyond, online chat with Chinese journalists hosted by Dy Dimension Data Media Lab at Wuhan University, Wuhan, China. (March 2017)

Mapping mini-boot camp, hands-on training at NICAR Conference, Jacksonville, Fla. (March 2017)

Saving data in the Trump era and beyond, panel moderator at NICAR Conference, Jacksonville, Fla. (March 2017)

Data journalism, presentation to visiting educators from Kazakhstan at Missouri School of Journalism. (Sept. 2016)

Data journalism workshop, training for Chinese journalism educators at Tsinghua University, Beijing. (Sept. 2016)

Mapping boot camp, hands-training for Chinese journalists at Data and Media Development Forum, Beijing. (July 2016)

Data journalism hands-on training, Alfred Friendly Press Fellows at Missouri School of Journalism. (July 2016)

Mapping mini-boot camp, hands-on training at IRE Conference, New Orleans. (June 2016)

Free options in mapping, demonstration at IRE Conference, New Orleans. (June 2016)

Dow Jones News Fund data journalism internship boot camp, trainer at the Missouri School of Journalism. (May 2016)

Mapping mini-boot camp, hands-on training at NICAR Conference, Denver. (March 2016)

Data maps in R, demonstration at NICAR Conference, Denver. (March 2016)

Mapping II with QGIS, hands-on training at NICAR Conference, Denver. (March 2016)

Data journalism and data visualization, lectures at South China University of Technology, Guangzhou, China. (Nov. 2015)

Data journalism, presentation to Zhejiang Daily Press Group at Missouri School of Journalism. (Sept. 2015)

Finding international data, presentation to Alfred Friendly Fellows at Missouri School of Journalism. (July 2015)

Using FOIA to get information about your country, presentation to Alfred Friendly Fellows at Missouri School of Journalism. (July 2015)

Mapping for investigative journalism, presentation to Alfred Friendly Fellows at Missouri School of Journalism. (July 2015)

Hand-on data journalism training, Alfred Friendly Fellows at Missouri School of Journalism. (July 2015)

Mapping mini-boot camp, hands-on training at Investigative Reporting Conference, Philadelphia. (June 2015)

Data journalism teaching week, lectures at Zhejiang University of Media and Communications, Hangzhou, China. (May 2015)

Tableau crash course: Building interactive visualizations without hiring a programmer, hands-on class, Journalism Interactive Conference at Missouri School of Journalism. (April 2015)

Uncovering racial and economic divides using data, panel at NICAR Conference, Atlanta. (March 2015)

Mapping mini-boot camp, hands-on training at NICAR Conference, Atlanta. (March 2015)

Using the U.S. Freedom of Information Act, presentation to visiting Sudanese journalists at Missouri School of Journalism. (March 2015)

Data journalism, presentation to visiting African journalists at Missouri School of Journalism. (Oct. 2014)

Data visualization for newspapers in the big data era, presentation to Zhejiang Daily Press Group, Zhongshan, China. (July 2014)

Data analysis in investigative reporting, presentation to Zhejiang Daily Press Group, Zhongshan, China. (July 2014)

News mapping in investigative reporting, presentation to Zhejiang Daily Press Group, Zhongshan, China. (July 2014)

Mapping tools, demonstration at Investigative Reporting Conference, San Francisco. (June 2014)

Mapping mini-boot camp, hands-on training at Investigative Reporting Conference, San Francisco. (June 2014)

Watchdog reporting, presentation at Illinois Press Association Conference, Springfield, Ill. (June 2014)

Behind OpenMissour.org, presentation at Missouri Ethics Commission, Jefferson City, Mo. (June 2014)

Using the U.S. Freedom of Information Act, presentation to visiting Iraqi journalists at Missouri School of Journalism. (May 2014)

Computer-assisted reporting, presentation to visiting Pakistani journalists at Missouri School of Journalism. (April 2014)

Build an interactive map in 60 minutes, presentation to ONA Mizzou at Missouri School of Journalism. (Feb. 2014)

Data negotiations: Getting around obstacles, panel at Investigative Reporting Conference, San Antonio, Tex. (June 2013)

Mapping-mini boot camp, hands-on training at CAR Conference, Louisville, Ky. (March 2013)

How the government is winning the war about releasing data, panel at CAR Conference, Louisville, Ky. (March 2013)

Data-driven journalism, presentation at The Right to Information and Transparency in the Digital Age Conference, Stanford University, Palo Alto, Calif. (March 2013)

Project Open Vault brown bag, presentation at Missouri School of Journalism, organizer. (Oct. 2012)

Mapping the news, presentation to Alfred Friendly Fellows at Missouri School of Journalism. (July 2012)

U.S. open records laws, presentation to Alfred Friendly Fellows at Missouri School of Journalism. (July 2012)

Investigative and computer-assisted reporting training, at Hangzhou Daily Press Group in Hangzhou, China. (July 2012)

Welcome to the world of data: Now what do you do?, panel at Investigative Reporting Conference, Boston. (June 2012)

Freedom of Information and transparency, discussion for Pakistan-U.S. Journalists Exchange at Missouri School of Journalism. (April 2012)

OpenMissouri: Connecting citizens with offline data, Ignite Talk at CityCampKC, Kansas City, Mo. (April 2012)

Mapping the news, presentation to Zhongzhan Daily Group at Missouri School of Journalism. (April 2012)

Chasing the paper trail: Using FOIA, public records acts and other means for finding key information, panel at National Innocence Network Conference, Kansas City, Mo. (March 2012)

OpenMissouri at age 1, brown bag presentation at Missouri School of Journalism. (March 2012)

Resources for open records, presentation at Missouri Sunshine Day at the Reynolds Journalism Institute. (March 2012)

Turning data into stories, presentation for Missouri Press Association at Missouri School of Journalism. (March 2012)

Locating the story: The latest in mapping, panel at NICAR Conference, St. Louis. (Feb. 2012)

Open gov: New data available from the transparency movement, panel moderator at NICAR Conference, St. Louis. (Feb. 2012)

How OpenMissouri can help you, presentation at St. Louis Post-Dispatch. (Jan. 2012)

Don't fear tech tools, presentation to ONA Mizzou chapter at the Missouri School of Journalism. (Nov. 2011)

U.S. open records laws, presentation to European journalists visiting NICAR as part of CAR Summer School 2011. (Oct. 2011)

Openness: From the routine business of government to West Virginia Homeland Security, panel at Marshall University, Huntington, W.Va. (Sept. 2011)

Mapping the news, presentation to Alfred Friendly Fellows at Missouri School of Journalism. (July 2011)

Tapping into state databases using OpenMissouri, presentation to Missouri Government Documents Conference at the University of Missouri. (June 2011)

Computer-assisted reporting training, for Korea Press Foundation journalists by NICAR at Missouri School of Journalism. (June 2011)

Cutting-edge tools for transparency: Better access to data and documents, panel at FOI Summit, Providence, R.I. (May 2011)

Computer-assisted reporting, presentation to Pakistan-U.S. Journalists Exchange at Missouri School of Journalism. (April 2011)

Data journalism, panel at CityCamp Colorado-NewsFoo, Denver. (Dec. 2010)

Government transparency, discussion with Panama Justice Delegation at Missouri School of Journalism. (Nov. 2010)

Investigative reporting, presentation to journalists visiting with the World Affairs Council of St. Louis at Missouri School of Journalism. (Oct. 2010)

Mapping the news, presentation to Alfred Friendly Fellows at Missouri School of Journalism. (July 2010)

Investigative and computer-assisted reporting, presentations at Economic Observer newspaper, Beijing. (June 2010)

The latest in mapping, panel at NICAR Conference, Phoenix. (March 2010)

Basic CAR stories for every newsroom, panel at NICAR Conference, Phoenix. (March 2010)

The latest and greatest in mapping for the news, presentation to Mizzou SPJ, Missouri School of Journalism. (March 2010)

Ethics in investigative reporting, presentation to Korea Press Foundation visitors at Missouri School of Journalism. (June 2009)

Computer-assisted reporting, presentation to Korea Press Foundation visitors at Missouri School of Journalism. (June 2009)

Computer-assisted reporting, presentation to visiting journalists from Chengdu, China, at Missouri School of Journalism. (April 2009)

Geodata tsunami, panel discussion at NICAR Conference, Indianapolis. (March 2009)

Creative ways to cover natural and man-made disasters, panel at NICAR Conference, Indianapolis. (March 2009)

GIS and health journalism, presentation at the California Endowment Health Journalism Fellowships at the Annenberg School for Communication, University of Southern California, Los Angeles. (Aug. 2008)

Mapping data for stories and graphics, presentation to visiting journalists with the Korea Press Foundation at Missouri School of Journalism. (June 2008)

The latest in mapping and the web, panel at NICAR Conference, Houston. (March 2008)

Better CAR coverage for insurance, panel at NICAR Conference, Houston. (March 2008)

CAR training: an educators' roundtable, panel discussion at NICAR Conference, Houston. (March 2008)

Mapping and the news, remote presentation via Skype to advanced reporting class at Western Washington University, Bellingham. (Nov. 2007)

Reporting with data, hands-on training for visiting journalists from Kosovo at the Missouri School of Journalism. (Sept. 2007)

Data on deadline, presentation at "Digging deep to tell better stories" workshop, sponsored by the Mid-American Press Institute, St. Louis. (Sept. 2007)

Mapping data for stories and graphics, presentation to visiting journalists with the Korea Press Foundation at Missouri School of Journalism. (June 2007)

Making sense of data: Basic analysis managers and reporters should know, panel at Investigative Reporting Conference, Phoenix. (June 2007)

The latest in investigations with mapping, panel at Investigative Reporting Conference, Phoenix. (June 2007)

Mapping the way to great news stories, brown bag presentation at the Missouri School of Journalism. (April 2007)

The latest in mapping: From ArcView to recent work, panel at NICAR Conference, Cleveland, Ohio. (March 2007)

Teaching CAR in journalism schools and newsrooms, panel at NICAR Conference, Cleveland, Ohio. (March 2007)

The latest in investigations in mapping, panel at IRE conference, Fort Worth. (June 2006)

Mapping for news stories and graphics, presentation to visiting journalists from Chengdu, China, at the Missouri School of Journalism. (2006)

U.S. Computer-Assisted Reporting in print, broadcast and online, presentation to visiting journalists from Chengdu, China, at the Missouri School of Journalism. (2006)

U.S. Computer-Assisted Reporting, presentation to South Asian journalists group from multiple countries at the Missouri School of Journalism. (2006)

The latest and best in mapping techniques, panel at NICAR Conference, Newark, N.J. (2006)

Teaching CAR from college to the newsroom, panel at NICAR Conference, Newark, N.J. (2006)

Mapping for news stories and graphics, presentation to visiting journalists from Chengdu, China, at the Missouri School of Journalism. (2005)

CAR and investigative reporting, presentation to multi-national group at Missouri School of Journalism. (2005)

Computer-assisted reporting, presentation at Reynolds Center Workshop in investigative business journalism, Kansas City, Mo. (2005)

Better Watchdog Workshop/Campaign Finance Workshop, Columbia, Mo. (2005)

Digging for Data: Computer-Assisted Reporting — Best Practices for Bringing Your Newsroom into the 21st Century, audio conference for WorkingJournalist.com. (2005)

The latest in mapping: Spatial analysis, avoiding pitfalls and other issues, panel at NICAR Conference, Hollywood, Calif. (2005)

General session on the latest trends and developments, panel at NICAR Conference, Cincinnati. (2004)

Developments in GIS and Journalism, moderator for discussion at NICAR Conference, Cincinnati. (2004)

Covering local and state government: Using databases to dissect the performance of your public officials, panel at NICAR Conference, Cincinnati. (2004)

The power of maps: How they are taking journalism further, panel at NICAR Conference, Cincinnati. (2004)

Educators' workshop: Materials, syllabi and skills, moderator for discussion at NICAR Conference, Cincinnati. (2004)

Educator's workshop: How to teach CAR, moderator for discussion at NICAR Conference, Cincinnati. (2004)

Investigative Reporting in the Age of the Internet, presentation to the Society of Professional Journalists, Missouri School of Journalism student chapter, Columbia, Mo. (2004)

Great GIS Case Studies in Journalism, presentation at Journalism & GIS pre-conference seminar, ESRI User Conference, San Diego. (2003)

Fast Track: First Day on the Local Government Beat, panel at IRE Conference Washington, D.C. (2003)

Advanced Workshop: The Latest Uses of GIS Software and Reviews of It, panel at NICAR Conference, Charlotte, N.C. (2003)

Effectively Presenting Data: The Uses and Limits of Mapping (GIS), panel at NICAR Conference, Charlotte, N.C. (2003)

Spatial Analysis for Investigations: Everything You Need to Know, panel at NICAR Conference, Charlotte, N.C. (2003)

CAR for Probing Municipal Government, panel at NICAR Conference, Charlotte, N.C. (2003)

Tools for Computer-Assisted Reporting, presentation to the Kazakhstan Investigative Reporting Project, the Missouri School of Journalism, Columbia. (2003)

The Media and How Crime is Reported: Crime, Media and Public Policy, panel at Central Missouri State University, Warrensburg. (2002)

Role of Investigative Journalism in Anti-Corruption Efforts, presentation to visiting Central European journalists, the Missouri School of Journalism, Columbia. (2002)

Tools for Computer-Assisted Reporting, presentation to visiting international journalists and educators, the Missouri School of Journalism, Columbia. (2002)

New Tools for Investigative Reporting, presentation to visiting African journalists, the Missouri School of Journalism, Columbia. (2002)

Investigative Reporting and News Research, presentation to visiting Mongolian journalists and educators, the Missouri School of Journalism, Columbia. (2002)

Keeping Computer-Assisted Reporting Curricula Meaningful, panel at Association for Education in Journalism and Mass Communication Convention, Miami Beach. (2002)

Big Idea GIS in Small Budget Times, ESRI User Conference, Journalism and GIS Pre-conference Seminar, San Diego. (2002)

Census 202: Mapping the Data, panel at IRE Conference, San Francisco. (2002)

Workshop: Using Census Data, panel at IRE Conference, San Francisco. (2002)

Latest in CAR Trends, panel at NICAR Conference, Philadelphia. (2002)

Judging the Federal Government, panel at NICAR Conference, Philadelphia. (2002)

Breaking Through the Secrecy: Covering Children's Issues, panel at NICAR Conference, Philadelphia. (2002)

Finding Waste and Corruption in Local Government, panel at NICAR Conference, Philadelphia. (2002)

PROFESSIONAL AND ACADEMIC DEVELOPMENT

NICAR Conference, New Orleans. (March 2020)

Power to the interns, training session at the Missouri School of Journalism. (Nov. 2019)

Cultures of Respect and Trust, training session at the Missouri School of Journalism. (Oct. 2019)

Courageous Conversations, training session at the Missouri School of Journalism. (Oct. 2019)

Critical Thinking About Workplace Integrity, training session at the Missouri School of Journalism. (Oct. 2019)

Investigative Reporting Conference, Houston. (June 2019)

Visualizing data with Tableau Desktop, NICAR Conference, Newport Beach, Calif.. (March 2019)

NICAR Conference, Newport Beach, Calif.. (March 2019)

NICAR Conference, Chicago. (March 2018)

GraphConnect, New York City, (Oct. 2017)

NICAR Conference, Jacksonville, Fla.. (March 2017)

Investigative Reporting Conference, New Orleans. (June 2016)

NICAR Conference, Denver. (March 2016)

Inclusivity small- and large group training, session by Brooke Barnett. (Feb. 2016)

Data Planet for Journalism, training session at Ellis Library. (Jan. 2016)

Active Shooter Training, session by MUPD. (Dec. 2015)

R programming, MOOC class from Johns Hopkins University on Coursera. Enrolled. (July 2015)
The Data Scientist's Toolbox, MOOC class from Johns Hopkins University on Coursera. Completed with distinction. (June 2015)
Investigative Reporting Conference, Philadelphia. (June 2015)
Journalism Interactive Conference at Missouri School of Journalism, (April 2015)
NICAR Conference, Atlanta. (March 2015)
Investigative Reporting Conference, San Francisco. (June 2014)
Transparency Camp, Alexandria, Va. (May 2014)
Investigative Reporting Conference, San Antonio, Tex. (June 2013)
Transparency Camp, Washington, D.C. (May 2013)
NICAR Conference, Louisville, KY. (March 2013)
The Right to Information and Transparency in the Digital Age, Stanford University, Palo Alto, Calif. (March 2013)
Investigative Reporting Conference, Boston. (June 2012)
CityCamp KC unconference. (April 2012)
National Innocence Network Conference, Kansas City, Mo. (March 2012)
NICAR Conference, St. Louis. (Feb. 2012)
HTML5 and CSS, University of Missouri IT Training, three classes. (July 2011)
FOI Summit, Providence, R.I. (May 2011)
South by Southwest Interactive Conference, Austin, Tex. (March 2011)
CityCamp Colorado unconference, Denver. (Dec. 2010)
Online News Association Conference, Washington, D.C. (Sept. 2010)
Gov 2.0 Summit conference, Washington, D.C. (Sept. 2010)
Reynolds Journalism Institute fellowship, Missouri School of Journalism. (Aug. 2010-May 2011)
NICAR Conference, Phoenix. (March 2010)
NICAR Programming mini-boot camp, hands-on training in python, Missouri School of Journalism. (May 2009)
NICAR Conference, Indianapolis. (March 2009)
NICAR Conference, Houston. (March 2008)
NICAR Conference, Cleveland. (March 2007)
Investigative Reporting Conference, Phoenix. (June 2007)

PROFESSIONAL AFFILIATIONS

Investigative Reporters and Editors (1989-current)
Missouri Sunshine Coalition, former member
Online News Association, former member

SERVICE

Campus committees:

Member, executive board for M.S. in Data Science and Analytics program offered by the MU Institute for Data Science and Informatics (2015-current)
Program committee member and facilitator, Big Data Ideas Lab (2015-2016)

Member, Technology Evaluation Subcommittee (2010-2014)
Member, data science M.S. program exploratory committee (2013-2014)

Journalism School committees:

Member, graduate faculty (2002—current)
Member, Facilities committee. (2019-current)
Member, Innovation, Research and Entrepreneurism committee (2016-2019)
Member, Larry Waller reporting fellowship selection committee (2012-current)
Member, Professional Partnerships committee (2011-2016)
Member, Carnegie-Knight News21 Fellowship selection committee (2008-2015)
Member, committee to form guidelines for publishing master's professional project synopses on school website (2012)
Member, Teaching and Learning committee (2009-2011)
Member, Technology Committee (2008-2009)
Chair, Undergraduate Scholarship Committee (2006-2007)
Member, Undergraduate Scholarship Committee (2004-2006)
Member, Technology Committee (2002-2004)

Journalism School job committees:

Member, search committee for assistant professor, strategic communication (2013) Harsh Taneja
Member, search committee for assistant professor, strategic communication (2013) Sungkyoung Lee
Member, selection committee for user support analyst (2012) Joe Collins
Chair, search committee for assistant professor/Missourian graphics editor (2006) Failed search

Course and curriculum development:

Created data journalism topics class DATA SCI 7001 in campus' online M.S. in Data Science and Analytics (2018)
Helped create Data Journalism graduate model (2014)
Helped create Data Journalism undergraduate interest area (2014)
Helped develop Advanced Data Journalism, 2-cr class as section of JOUR- 4462/7462, Emerging Technologies in Journalism. (2012) Approved as a standalone 3-cr class, JOUR-4432/7432. (2014)
Helped create Watchdog (now Investigative) Journalism undergraduate interest area. (2012)
Helped develop JOUR-4301, Fundamentals of Data Reporting, 1-cr class for undergraduates from all sequences (2011)
Created JOUR-4440/7440: Mapping for News and Graphics, 2-cr class for undergraduate and graduate students from all sequences. (2008)
Member, Core Values curriculum revision committee (2007-2008)

Mentoring:

Walter Williams Scholars Program mentor, Geoffrey Dean (2020-current)
Walter Williams Scholars Program mentor, Jack Copeland (2020-current)

Walter Williams Scholars Program mentor, Madison McMillen (2019-2020)
Walter Williams Scholars Program mentor, Danielle Duclos (2018-2019)
Walter Williams Scholars Program mentor, Jill Wagner (2017-2018)
Discovery Fellow mentor, Grace Halverson (2016-2017)
Walter Williams Scholars Program mentor, Thomas Oide (2015-2016)
Walter Williams Scholars Program mentor, Libbye Tellor (2014-2015)
Discovery Fellow mentor, Madeline Odle (2013-2014)
Discovery Fellow mentor, Jake Kreinberg (2009-2010)
Discovery Fellow mentor, Rachel Schaff (2002-2003)

Master's student committees:

Member, Steve Garrison project committee. *Twitter's influence on the news practices of Illinois court reporters*. (2020-current)
Chair, Peng Chen project committee. *Dealing with diamonds in the rough: Data journalists and their news selections*. (2019-2020)
Chair, Javkhlan Bold-Erdene project committee. *Application of algorithms in newsrooms*. (2019-2020)
Chair, Yanqi Xu project committee. *Avoiding Misleading Maps: Encoding and Decoding 2018 Midterm Election Results in Graphics*. (2018-2019)
Chair, Chen Chang project committee. *Social network analysis in journalism: Visualizing power relationships*. (2018-2019)
Member, Huiqi Xu thesis committee. *How interactive infographics foster audience engagement*. (2018)
Member, Jing Ren project committee. *How health investigative journalists work with HIPAA restrictions*. (2018)
Member, Nora Lewis, data science capstone committee. *Visualizing open-source science*. (2018)
Chair, Eileen Joyce, data science capstone committee. *Pennsylvania's motorcycle experiment*. (2018)
Chair, Huilan Zhan project committee. *How data journalists use maps in disaster news coverage*. (2017-2018)
Chair, Yang Sun project committee. *From journalist to coder: the rise of journalist-programmers*. (2017)
Member, Jiayi Wang project committee. Exploring the differentiated expectations on work done by male and female data journalists. (2017)
Chair, Jennifer Lu project committee. *Building datasets from scratch: Data journalists offer best practices from their experiences*. (2016-2017)
Member, Iuliia Alieva thesis committee. *Data journalism and democracy: How American mass media framed the 2016 presidential campaign in the United States using data visualization*. (2016-2017)
Chair, Jasmine (Ye) Han project committee. *Data journalism at the Investigative Reporting Workshop and an examination of Missouri Sunshine Law performance by state records custodians*. (2016)
Member, James Gordon project committee. *Machines of record: Building and breaking down data journalism's black boxes/Data analysis at Access Missouri*. (2015-current).

Chair, Madi Alexander project committee. *A study in gender issues in data journalism*. (2015-2016)

Chair, Andrew Kreighbaum project committee. *Investigating inequality with computer-assisted reporting*. (2015-2016)

Member, Karol Ilagen project committee. *Internet regulations and independent news organizations in Indonesia, The Philippines and South Korea*. (2015-2016)

Member, Hong Zhao thesis committee. *Cross-cultural audience comprehension and engagement: A study of the effects of data visualization*. (2015-2016)

Member, Miranda Fleschert thesis committee. *Access to electronic public records: A 50-state study*. (2008-2015)

Chair, Josh Benson project committee. *Strategies and technologies for protecting sources, investigative journalists, and national security reporters*. (2015-2016)

Member, Joe Mahr thesis committee. *Is seeing believing? The effects of Document Cloud links on perceptions of credibility of news articles*. (2015-2016)

Member, Qing Tian thesis committee. *Visualization and connection: How information graphics and news games promote interaction between the media and audiences at six newspapers*. (2014-2015)

Chair, Elizabeth Scheltens project committee. *CAR skills and professional support for K-12 education writers*. (2014-current)

Member, Roman Kolgushev thesis committee. *A case of documents in the cloud: What changes DocumentCloud brings to the practices of daily reporting*. (2014)

Chair, Yee Man Ng project committee. *How The New York Times uses information graphics and data visualizations for hard news and soft news and to foster engagement*. (2014)

Chair, Alex Richards project committee. *Data journalism at the Las Vegas Sun*. (2014)

Chair, Anna Boiko-Weyrauch project committee. *Case studies of investigative non-profit and public radio collaborations*. (2013)

Chair, Fedor Zarkhin project committee. *Impact of privacy exemptions in open records laws on computer-assisted reporting*. (2013)

Member, Haoyun Su project committee. *Nontraditional journalists on the front line of the digital transformation*. (2013)

Chair, Kyle Deas project committee. *Environmental reporting at KBIA radio*. (2012)

Member, Brian Johnson project committee. *Effective investigative reporting strategies by award-winning broadcast journalists in the digital age*. (2012)

Chair, Siwen Li project committee. *Interactivity: The transition of information graphics from print to digital platforms*. (2012)

Member, Lydia Mulvany project committee. *An investigation of government waste in emergency radio contracts/A study of Sunshine logs of Missouri state agencies*. (2012)

Member, Brad Racino project committee. *Investigative reporting and multimedia work for Investigative Newssource/The deliberative process privilege and its current status in 11 states*. (2012)

Chair, Joseph Yerardi project committee. *CAR reporting at the Center for Public Integrity/For data journalism, communication – internal and external – is key*. (2012).

Member, John Reynolds thesis committee. *Career paths of federal FOIA officers*. (2011)

Member, Bruce Troetschel project committee. *Grounded Immigration: Where in the world is Horatio Alger?* (2011)

Member, Chris Hamby project committee. *The Ryan Ferguson Case: An examination of a strange murder and conviction*. (2010)

Chair, Elizabeth Lucas, project committee. *How to get your hands on federal data: Best practices of national journalists*. (2010)

Chair, Yan Wang project committee. *Visualization for computer-assisted reporting stories*. (2009)

Member, Amber Taufen project committee. *Getting to the source: Village Voice Media investigative reporters and their source relationships*. (2009)

Member, Kryssy Pease project committee. *Computer-assisted reporting and broadcast journalism: A medium specific approach*. (2009)

Chair, Jessica Nunez project committee. *The miniature watchdog: Is investigative reporting effective without a big budget?* (2009)

Member, Gavin Off project committee. *Anonymous sources in Washington, D.C., reporting*. (2008)

Chair, Grant Smith project committee. *Best practices and Gannett News Service: Achieving successful computer-assisted reporting*. (2008)

Chair, Kevin Quealy project committee. *The paradox of data and interactive graphics: Why more is usually less*. (2008)

Chair, Aaron Ancel project committee. *Developing a database library and keeping it going*. (2008)

Member, Kevin Crowe project committee. *How did you do that? The gatekeeping role of reporters in computer-assisted reporting*. (2007)

Member, Ben Poston project committee. *The wrongful conviction of Josh Kezer*. (2007)

Chair, Le Nghiem Thi Xuan project committee. *Best practices of young successful computer-assisted journalists*. (2007)

Member, David Castillo project committee. *Computer-assisted reporting and an analysis of AIDS coverage and ethnic racial minorities in The Advocate*. (2007)

Member, Sruthi Kunnel project committee. *Ethical concerns in CAR*. (2006)

Member, Hans Meyer thesis committee. *'Net gains: Potential citizen journalists use traditional media often and have a strong need for news*. (2005-2006)

Chair, project committee for Alejandra Fernández-Morera. *Driving this CAR in Latin America: Diffusing and implementing computer-assisted reporting South of the Border*. (2005-2006).

Member, project committee for Benjamin Welsh. *The Meyer method*. (2005-2006)

Member, project committee for Jacob Jost. *Visualization of data-driven and legal stories*. (2005)

Member, project committee for Amber Taufen. *Getting to the source: Village Voice Media investigative reporters and their source relationships*. (2005)

Member, project committee for Xinning Huang. *Mapping the 2004 election: A case study of The New York Times on how to use GIS as a journalistic tool to create comprehensive analytic news graphics*. (2004-2005)

Member, project committee for Taisuke Sakai. *Accuracy Check of CAR*. (2002)

Advising:

Current master's students:

Frida Xin

Samuel Manas
Ralph Chapoco

Previous master's students:

Javkhlan Bold-Erdene
Katherine Parkins
Peng Chen
Alexis Allison
Abigail Ivory-Ganja
Huiqi Xu
Chen Chang
Yang Sun
Uliana Pavlova
Huilan Zhan
Nana Naskidasvili
Jennifer Lu
Kara Tabor
Tracy Cook
Soorin Kim
Ye (Jasmine) Han
Francisco Vara-Orta
Yaryna Mykhyalyshyn
Brittany Crocker
Andrew Kreighbaum
Madi Alexander
Josh Benson
Nathan Birt
Anna Boiko-Weyrauch
Fedor Zarkhin
Haoyun Su
Gwen Girsdansky
Christopher Hamby
Yee Man Ng
Alex Richards
Mark Szakonyi
Kaikang Wang
Joseph Yerardi
Elizabeth Lucas
Yan Wang
Grant Smith
Kevin Quealy
Kevin Crowe
Le Nghiem Thi Xuan
Alejandra Fernández-Morera

Previous undergraduate students:

Haotian Mai

Alexandra Cartee

Assistance to campus and other journalists:

Meth's quiet resurgence, by Annika Merrilees and Joe Siess in the *Missourian*, (Feb. 17, 2019)

City considering steps to combat spike in shots fired downtown, by Alexandria Williams and Sky Chadde in the *Missourian* (Aug. 14, 2018)

Sex offenders leave Missouri to avoid harsh law, by Dariya Tsyrenzhapova in the *Missourian* (May 8, 2018)

Data show MU faculty salaries lowest in the humanities, by Edward McKinley in the *Missourian* (May 13, 2018)

In Missouri, suspensions more frequent and harsher for young black students, by St. Louis Public Radio (April 17, 2016)

Report shows arrest rate disparities in Missouri, by Hanna Battah on KOMU8 (Feb. 16, 2015)

How Columbia could be more segregated than Ferguson, by Bram Sable-Smith on KBIA (Jan. 9, 2015)

MU's Office of Student Conduct handles few sex offense cases, by Samantha Sunne in the *Missourian* (Dec. 4, 2014)

Analysis: Blacks overrepresented in Columbia traffic stops and arrests, by Jon McClure in the *Missourian* (May 15, 2013)

Salaries up at MU for full-time professors, analysis shows, by Yan Wang in the *Missourian* (Dec. 10, 2007)

State, county maintain disparate offender lists, by Benjamin Poston in the *Missourian* (Dec. 27, 2006)

Analysis: Wastewater permits expired, by Rebecca Townsend in the *Missourian* (Nov. 28, 2006)

Discounted Lives, by Mike Casey in the *Kansas City Star* (Dec. 11, 2005)

Testing 'highly qualified' teachers, in the (Paterson, N.J.) *Herald News* (July 31, 2005)

Loaded for trouble, by Rose Ciotta in the *Philadelphia Inquirer*. (June 23, 2002)

Contest judging:

Association of Area Business Publications Awards (2003-current)

Parenting Publications of America Awards (2003-2010)

Lowell Thomas Travel Journalism Awards, Society of American Travel Writers Foundation (2003-2008)

Other external service:

University of Connecticut Journalism Department. External reviewer of promotion and tenure professional portfolio for Assoc. Prof. Mike Stanton. (2018)

JOURNALISM PROFESSIONAL EXPERIENCE

The Providence Journal, Providence, R.I. (1997-2002)

Investigative reporter specializing in computer-assisted reporting. Also, conducted in-house CAR training for news staff.

The Morning Call, Allentown, Pa. (1990-1996)

Computer-assisted reporting editor. Helped establish and direct newsroom CAR effort. Supervised database reporter and trained staff. Database reporter assigned to developing CAR stories on own and with other reporters.

The Baltimore Sun, Bel Air, Md. (1989-1990)

Suburban editions reporter, primarily covering business and the environment. Substitute editor for suburban zoned edition.

The Mercury, Pottstown, Pa. (1988-1989)

Copy editor, stringer coordinator and reporter covering commercial nuclear power and municipal government.

The Free Press, Quakertown, Pa. (1987-1988)

Reporter

JOURNALISM PROFESSIONAL RECOGNITION

Poisoned - series about child lead poisoning in The Providence Journal (shared awards)

New England AP News Executives Association Community Service Award for series website. (2002)

New England AP News Executives Association Sevellon Brown Award for Public Service. (2002)

New England Press Association Publick Occurrences Award for Superior Achievement. (2002)
Casey Medal, runner-up (2001)

City Hall corruption – continuing coverage in The Providence Journal (shared award)

New England AP News Executives First Place for General News. (2001)

Rhode Island on Trial – series about governor’s office corruption in The Providence Journal (shared awards)

New England AP News Executives Second Place for General News. (1999)

New England Press Association Publick Occurrences Award for Superior Achievement. (1998)

OSHA: Cracks in the shield – series about lax workplace safety in The Morning Call (shared award)

Pennsylvania News Publishers Association Second Place for News Series. (1996)

State rep’s hidden interest in asbestos dump – stories in The Baltimore Sun (individual awards)

Maryland-Delaware-D.C. Press Association First Place Public Service Award. (1990)

SPJ-Maryland Professional Chapter Excellence in Journalism. (1990)