

NICK HARBAUGH

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Senior Data Visualization Engineer and UX-focused Technologist with 15+ years of experience building interactive, data-driven tools for newsrooms, research institutions, and public audiences. I specialize in data storytelling, visual strategy, and rapid prototyping, with a strong foundation in journalism, front-end engineering, and user-centered design.

Data Visualization & Storytelling

D3.js, Adobe Illustrator, Figma, Mapbox, Observable, Datawrapper, R, Python

Front-End Development

React, TypeScript, Next.js, Svelte, HTML/CSS/JS, Three.js

WORK EXPERIENCE

Graphicacy, *Senior Data Visualization Engineer*, 2024 - 2025

- Designed and developed interactive data visualizations and web apps using React, D3, Mapbox, and Next.js for mission-driven clients.
- Translated complex datasets into clear, story-driven visuals aligned with editorial and audience goals.
- Directed architecture decisions, implemented CI/CD pipelines, and supported cross-functional teams in fast-paced production cycles.
- Collaborated closely with designers, analysts, and editorial leads to shape content structure and visual strategy.

Periscopic, *Director of Technology*, 2023 - 2024

- Led technical strategy for data-rich, audience-facing visualizations in React, D3, and Mapbox, tailored to policy, research, and public sector audiences.
- Oversaw a distributed team of developers and contractors, balancing rapid prototyping with long-term code quality.
- Advised clients on data storytelling approaches, UX, and delivery timelines across tight production cycles.
- Managed infrastructure, hosting, and deployment across Vercel, AWS, and custom servers.

Seven Mile Media, *CTO & Co-founder*, 2015 - 2023

- Delivered award-winning interactive and data-driven applications for global brands, museums, and mission-driven organizations.
- Led cross-functional teams in the design and development of immersive web experiences, balancing technical, creative, and strategic priorities.
- Oversaw project architecture, selected tech stacks, and directed visual design from concept through deployment.
- Partnered with industry-leading clients like Nike, The New Yorker, US Holocaust Memorial Museum, Atlantic Council, and World Wildlife Fund.

Associated Press, *Interactive Producer*, 2012 - 2015

- Designed and developed news applications, interactive web features, and custom data visualizations for AP's global news wire.

- Worked with reporters, producers, and engineers to cover breaking and enterprise stories and redefine digital standards and workflows across AP's newsroom.

The New York Times, Multimedia Fellow, 2011

- Produced interactive features, data-driven applications, and award-winning documentary films for the NYT Multimedia Team.
- Collaborated with journalists and photographers on digital news products.
- Winner of First Place, Feature Multimedia (POYi Awards) for *"In Love and Loss."*

TALKS & WORKSHOPS

2021	Workshop host and speaker, <i>Visualizing quantitative and qualitative data: a hands-on approach</i> , Atlantic Council
2020	Critic, <i>Design and Technology Master's Thesis Studio</i> , Parsons School of Design
2020	Workshop host and speaker, <i>Mapbox AR for Unity: Building maps in augmented reality</i> , Ribeiro Innovation Fund Workshop, University of Miami
2020	Workshop host and speaker, <i>Intro to Mapbox: Translating geospatial data into interactive interfaces</i> , Ribeiro Innovation Fund Workshop, University of Miami
2017	Lecturer (Guest), <i>User interfaces and digital storytelling</i> , School of Design and Creative Technologies, University of Texas
2017	Speaker, <i>Designing Data for Research and Journalism</i> , Insight Illuminated Showcase Speaker Series, NORC at the University of Chicago
2016	Lecturer (Guest), <i>Digital Media Innovation</i> , Texas State University

GRANTS, AWARDS & EXHIBITIONS

2023	Beyond City to City: A UNESCO Media Arts Exhibition
2021	City of Austin TEMPO program, Grant Recipient, Art in Public Places
2020	Dotcomm Awards, Platinum award, Data Visualization
2019	Kantar Information is Beautiful Awards, Shortlist
2013	POYi (Pictures of the Year International), First Place, Feature Multimedia Story
2013	Oliver S. Gramling Award, Winner, Scholarship Award, Associated Press
2011	Online Journalism Awards, Finalist, Digital Video Storytelling
2010	Online Journalism Awards, Winner, Digital Video Storytelling

EDUCATION

2010	M.A. in Multimedia Journalism, University of Miami, Miami, FL
2009	B.S. in Visual Journalism and International Studies, University of Miami, Miami, FL