

# EJ FOX

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## PROFILE

Design engineer and creative technologist who ships under pressure. I transform complex information into clear interactive visuals and have fun doing it. My work combines journalistic curiosity with an addiction to trying new things—from NBC’s election graphics to experimental embedding interfaces. I want to make things no one has seen before with smart, kind people.

## TECHNICAL SKILLS

**Code:** JavaScript, Python, Node.js, Vue.js, React, TypeScript, HTML/CSS, SQL

**Graphics:** D3.js, Observable Plot, Three.js, WebGL, Canvas, SVG, TopoJSON

**AI/ML:** LLM APIs, embedding visualization, context management, vector databases, prompt engineering, alternative interfaces

**Design:** Illustrator, After Effects, Principle, Figma, Animation (GSAP, Anime.js)

**Methods:** Rapid prototyping, component systems, public documentation, performance optimization, video demos

## EXPERIENCE

### Independent Consultant

*Design Engineer & Creative Technologist | 2019 - Present*

Select Clients: Alphabet • GitHub • NBC News • CBS News • Washington Post • New York Times • Carnegie Mellon • Stamen

- Specializing in tight-deadline projects that require fast iterative sprints and user testing – especially things no one has ever done before
- Helped CBS News prototype their broadcast touchscreen app, analyzed newspaper front pages for the NY Times, and helped make geographic visualizations with the geniuses at Stamen for Meta
- Comfortable working across design and engineering teams and with a wide array of technology stacks, adapting to everything from fresh start-ups to enterprise workflows
- Published 50+ Observable notebooks, YouTube livestreams, and blog posts of in-progress work, experiments, and methodology - working in public at every opportunity

## **Founder**

*Room 302 Studio | 2023 - Present*

Select Clients: The Associated Press • Alphabet • Wildlife Conservation Society • Earth Genome

- Founded prototyping shop focused on providing novel data visualization and analysis methods on tight deadlines
- Built out LLM-powered studio manager as 'AI team member'
- Transform rough ideas into polished demos clients can actually use to gain internal stakeholder support or get funding
- Joined AP team as support for 2024 election coverage, delivered Webby-nominated work
- Helped WCS map the story of coral reefs resisting climate change

## **Senior Interactive Graphics Specialist**

*NBC News | 2016 - 2019*

- Rebuilt election night system praised by NYTimes as a “newly juiced-up” version of the Big Board in 2018, still used today

## **Graphics Editor**

*Vocativ | 2014 - 2016*

- Scaled output 20x through smart automation (5 monthly → 5 daily)
- Won Knight Foundation grant for Dataproofer validation tool
- Empowered reporters with self-service visualization platform, created data visualization templates, oversaw daily breaking news graphic production

## **Early Career**

- *Visual.ly (2011)*: Core team building one of the first visualization-as-a-service platforms.
- *GitHub (2014)*: Worked as a freelancer with the GitHub team to create “State of the Octoverse” website and visualizations