

# Eric Lau

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## Education

### University of Michigan

Bachelor of Science in Computer Science  
Minor in Digital Studies

Ann Arbor, MI  
May 2024

*Data Visualization, Critical Data Visualization, Rhetoric of Infographics, Rhetoric of Maps, Statistics and Data Analysis, Database Management Systems, How Algorithms See, Programming Paradigms, Programming Languages, Programming Pragmatics, Computer Architecture, Data Structures and Algorithms, Foundations of Computer Science, Web Systems, Artificial Intelligence, History of the Internet, Digital Culture*

## Experience

### The San Francisco Standard

Data Journalist

San Francisco, CA  
Sep. 2022 – Sep. 2023

- Wrote over 20 newsletter stories with data analysis and visualizations localized to thousands of California neighborhoods, reaching over 10,000 subscribers.

### The Texas Tribune

Data Visuals Fellow

Austin, TX  
Jun. 2022 – Aug. 2022

- Produced 24 graphics on [election fundraising](#), [droughts](#), [public schools](#), the [juvenile prison system](#) and more.
- Analyzed polling data, interviewed pollsters, created graphics, and wrote a story on [abortion public opinion](#).
- Improved accessibility in the team's graphics kit by allowing screen readers to read alternative text in visuals.

Engineering Fellow

Jan. 2022 – May 2022

- Converted Django template files to flatpages, reducing code duplication and allowing for easier copy changes.
- Modified a Slack bot to show Salesforce campaign names to help evaluate real-time fundraising performance.
- Implemented several quality-of-life CMS features (e.g., copyable photo IDs, flexible grid dimensions, etc.).

### The Michigan Daily

Senior Software Engineer

Ann Arbor, MI  
Jan. 2023 – present

- Built [crossword infrastructure](#) with SvelteKit and PlanetScale MySQL to create and publish daily puzzles. Garnered over 24,000 page views.
- Tracked [live power outages](#) in Southeastern Michigan, [presented](#) to the Michigan Public Service Commission on DTE outage data gaps.
- Wrote dozens of pages of educational and referential material on web development and data journalism to aid in knowledge transfer and new member onboarding.

Managing Online Editor

Dec. 2021 – Dec. 2022

- Led the newsroom's team of 40 engineers, designers, and data journalists to create over 50 special websites, designs, data graphics and stories published on our WordPress website and React microsites.
- Developed [bore](#), an in-house data graphics library built on top of D3, allowing data journalists to quickly prototype basic and stylistically consistent visualizations.
- Oversaw the release of The Daily's mobile application built with Expo and React Native.

Data Journalist

Sep. 2020 – Dec. 2021

- Created over 20 data visuals on university [feeder schools](#), city [restaurant closures](#), [survey data](#) and more.
- Collaborated with reporters to write a series of 3 stories on [university salary data](#).
- Developed a [live election tracker](#) for the 2021 Ann Arbor special election, used Svelte and Python.

## Skills

**Data analysis and visualization**

Svelte, D3, Leaflet, Observable, Python, Datawrapper, Illustrator, QGIS

**Web development**

Svelte, React, Next, Django, Flask, SQL, AWS, WordPress

**Languages**

JavaScript, Python, HTML, CSS, PHP, C, C++

## Awards & Honors

Lipsey Journalism Award for Multimedia Reporting (2022), SPJ Region 4 Mark of Excellence Data Visualization (2022), SBUHacks Best UI/UX – Aurora Hack (2020), National Merit Scholarship Finalist (2020), University Honors (Fall 2020, Winter 2021, Fall 2021), AP Scholar with Distinction (2019, 2020)