

# Eric Lau

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## EDUCATION

**University of Michigan** Ann Arbor, MI

May 2024

Bachelor of Science in Computer Science, GPA – 3.816/4.000

Minors in Science, Technology & Society (STS) and Digital Studies

**Coursework:** *Introduction to Computer Architecture, Data Structures and Algorithms, Discrete Math, Data Visualization, Critical Data Visualization, Introduction to Statistics and Data Analysis*

## EXPERIENCE

**The Texas Tribune** Austin, TX

Data Visuals Fellow

Jun. 2022 – Aug. 2022

- Collaborated with reporters to analyze data with Observable and Python, and produce over 20 graphics using Datawrapper, D3, and Adobe Illustrator
- Analyzed historical polling data, interviewed several pollsters, created graphics, and wrote a story on Texas public opinion regarding abortion
- Implemented accessibility functionality into the team's graphics kit, allowing screen readers to read alternative text for D3 and Illustrator visuals

Engineering Fellow

Jan. 2022 – May 2022

- Converted several Django templates to flatpages with a new layout, reducing code duplication and allowing for easier copy changes with our in-house CMS
- Implemented quality-of-life features for the photo team (e.g., copying photo IDs, ability to modify photo dimensions inside a grid, etc.) with Django and Web Components
- Modified a Slack bot to surface donation campaign names, helping gauge the real-time performance of fundraising campaigns, utilized Python and the Salesforce API

**The Michigan Daily** Ann Arbor, MI

Managing Online Editor

Dec. 2021 – present

- Led the newsroom's team of over 35 engineers, designers, and data journalists
- Recorded several videos outlining common engineering and visualization workflows
- Collaborated with editors to produce editorial work in WordPress and React microsites

Data Journalist

Sep. 2020 – Dec. 2021

- Collaborated with reporters to write data-driven articles by gathering data from FOIA requests and online sources, analyzing data, and building data graphics
- Wrote a live election results scraper for Washtenaw County using Python, developed graphics to showcase Ann Arbor's 2021 special election results using Svelte

Software Engineer

Apr. 2021 – Aug. 2021

- Developed The Miseducation Project website, a digital museum showcasing student artwork typically unrepresented in media, utilized React and ArchieML

**Stuy Fusion 479** New York, NY

Head of Software Engineering

Jun. 2019 – Aug. 2020

- Led the software engineering department of the team in writing autonomous and teleoperation robot routines for competition, qualified for NYC Championships

**Google Mentorship Program** New York, NY

Nov. 2019 – Jun. 2020

Mentee

- Collaborated with mentors to develop a web and mobile app to increase parent engagement at Stuyvesant High School using Node.js and Flutter

## SKILLS

*Languages:* HTML, CSS, JavaScript, Python, SQL, C/C++, Dart, Java, PHP, ArchieML

*Technologies:* React, Svelte, Node, D3, Flask, Django, Flutter, Git, AWS, Docker

*Applications:* Adobe Illustrator, QGIS, Datawrapper

## AWARDS & HONORS

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)