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, Database Management Systems, Foundations of Computer Science, Rhetoric of Infographics*

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
- Improved accessibility in 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
Senior Software Engineer   *Jan. 2023 – present*
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 and contributed to the release of The Daily's mobile app, utilized Expo, React Native and the WordPress REST API

Data Journalist   *Sep. 2020 – Dec. 2021*
- Collaborated with reporters and analyzed data from FOIA requests, online sources, and student surveys to create 24 data graphics and write 3 data-driven stories
- 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, a digital museum showcasing student artwork typically unrepresented in media, utilized React and ArchieML

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, React Native, Svelte, Node, D3, Flask, Django, 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)