

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*

Stuyvesant High School New York, NY

Jun. 2020

Advanced Regents Diploma with Honors in Computer Science, GPA – 95.94/100

Coursework: *Software Development, Computer Graphics, Systems Programming*

EXPERIENCE

The Texas Tribune Austin, TX

Data Visuals Fellow

Jun. 2022 – Aug. 2022

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 using our plugin-based CMS
- Implemented quality-of-life features for the photo team (e.g., ability to copy photo IDs, ability to navigate to photo's parent directory, etc.) with Django and Web Components
- Modified a Slack bot to surface a donation's campaign name, helping the membership team gauge a campaign's real-time performance, utilized Python and Salesforce

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 workflow
- 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 with Python, and building data graphics with D3 and Adobe Illustrator

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
- Overhauled The Daily's Ad Portal backend infrastructure by designing and implementing a new database schema and API using Django and AWS

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 teammates and Google 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)