

matthew wang

education

B.S. in Computer Science &

B.S. in Math-Economics // [UCLA](#) (Grad: 2022)

GPA: 3.8, Engineering Dean's Honors List ('18-'21)

Coursework: Data Structures & Algorithms, Machine Learning, Data Mining, Programming Languages, Operating Systems, Computer Organization, [and more](#)

work

Incoming Software Engineering Intern // Facebook

09/2021 - 12/2021 | Menlo Park, CA (Virtual)

Software Engineering Intern // Adobe

06/2021 - 09/2021 | Lehi, UT (Virtual)

- Implemented auto-remediation system to resolve Kubernetes cluster resource issues (JavaScript, AWS: Lambda, DynamoDB, SQS, PromQL, Azure DevOps)
- Projected to save \$330k/year across 30 clusters

Software Development Engineering Intern // AWS

06/2020 - 09/2020 | Seattle, WA (Virtual)

- Implemented end-to-end anomaly detection system to ingest, filter, and upload 10k metrics per 5 minutes (Java, AWS: Lambda, DynamoDB, SQS, CloudWatch)
- Developed REST API endpoints and accompanying multi-page dashboard + wizard (React, Java)

Software Engineering Intern // Booz Allen Hamilton

06/2019 - 09/2019 | Los Angeles, CA

- Developed embedded system to hack into a boat, controlling its network, sensors, and systems (C, NMEA)
- Created dashboard and backend to control embedded system over TCP (React, Electron, C)
- Supported 700+ person [maritime security hackathon](#)

Software Engineering Intern // AudioNotch

06/2017 - 09/2017 | Toronto, Canada

- Developed 10-view mobile app for iOS and Android to aid tinnitus sufferers (Angular, Ionic)
- Implemented REST API and data protocol to perform authentication and file retrieval (Django)
- Refactored JS Web Audio API application, halving bundle size (JS, Django, PHP)
- Revamped products increased firm revenue by over 300% in the next three months

passions

Passionate about empowering people through computer science, education, and equity.

Interests: teaching and outreach, open-source, education, public policy, pedagogy, automation

Email: matt@matthewwang.me

Website: matthewwang.me

GitHub: [@mattxwang](https://github.com/mattxwang)

skills

Languages: JS, TS, Python, Java, C++

Web: React, Node, Express, Jest,

Enzyme, Django, Flask, SASS

DevOps: AWS, Docker, Kubernetes, Unix

Data: Firebase, SQL, PromQL, Splunk

organizations

President // ACM at UCLA

03/2021 - present | Los Angeles, CA

- Led largest CS org on campus, with 160 officers and 1000+ members
- Pushed for campus-wide D&I initiatives: ethics reform, outreach, accessibility
- Led shift to Next.js, accessible web practices, and standardized CI/CD
- Navigated safe return-to-campus
- Continued push for open-source culture

President // ACM Teach LA

03/2020 - 03/2021 | Los Angeles, CA

- Grew club from 20 to 80 members; led class instruction, events, and a dev team
- Pushed for transparency through public [financial](#), [EDI](#), and [recruitment](#) reports
- Created [React Native](#) high school class
- Taught [AI & ML course](#) at LA high school
- Acted as interim dev team director

Dev Team Director // ACM Teach LA

03/2019 - 03/2021 | Los Angeles, CA

- Trained 50+ students in HTML, CSS, JS, React, and dev practices over 2 years; [open-sourced all of our materials](#)
- Spearheaded [learning labs](#), interactive web modules to teach CS concepts
- Set up org-wide CI/CD (Stylelint, ESLint, Jest, Netlify, GitHub Actions)
- Architected and developed React + Redux frontend for [online code IDE](#)
- Managed Jekyll-based [static site](#)
- Led [React and Firebase workshops](#) at [QWER Hacks '20 & '21](#)