

Tyler Tran

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EDUCATION

University of California, Los Angeles (UCLA)

Bachelor's in Computer Science, Linguistics

- GPA: 3.5

Los Angeles, CA

Expected Graduation: June 2026

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Go/Golang, C++, HTML, CSS, SQL

Frameworks/Libraries: Node.js, React, Angular, Django, Express.js, Next.js

Tools/Platforms: Docker, Kubernetes, AWS (EC2, S3, Lambda, Cloud Formation, SQS), Git, GitHub, Linux, Google Cloud, DigitalOcean, Ansible, Terraform, Jenkins

Databases: PostgreSQL, MySQL, MongoDB, AWS: Aurora/RDS

EXPERIENCE

Tesla

September 2024 - Present

Software Engineering Intern

Fremont, CA

- Developing the frontend UI for a Golang based company-wide tool to simplify access to Linux team services through API endpoints, while deploying both the application to Kubernetes, and integrating CI/CD automation with Jenkins.

Comcast-NBCUniversal

June 2024 - Present

Software Engineering Intern

Los Angeles, CA

- Migrated the Daisy film inventory platform into 40 AWS EC2 instances using AWS S3, SQS, VPC and Cloud Formation, saving over **\$10,000** monthly on in-house hardware infrastructure maintenance.
- Shipped a self-service solution for the ServAuto internal tool, streamlining a time-consuming Ansible/Terraform execution procedure while providing authentication, tracking, and remote log retention.
- Refactored over 250 React/Angular-based frontend components for internal tools, reducing codebase by 50,000 lines.

Daily Bruin

Oct 2023 - Present

Internal Tools Director/Software Engineering Intern

Los Angeles, CA

- Implemented Kubernetes migration for dailybruin.com mainsite to horizontally scale, enabling self-repair and distributed node processes, resulting in over **\$300** monthly savings on DigitalOcean deployment costs.
- Directed a team in developing an internal sources citation manager for journalists, utilizing MongoDB and Docker containerization to improve accessibility for Daily Bruin Staff to cite sources up to **30%** faster.

ACM TeachLA

Apr 2023 - Mar 2024

Software Developer

Los Angeles, CA

- Constructed a web-based integrated development environment (IDE) featuring in-browser support for Python, JavaScript, HTML, and React using TypeScript and Go for seamless multi-language coding and development.
- Debugged critical issues within the front-end UI and established a CI/CD pipeline through GitHub Actions to run automated linting checks, reducing runtime compilation errors by 26%.

Meristream

Jun 2023 - Sep 2023

Software Engineering Intern

Remote

- Orchestrated the end-to-end implementation, testing, deployment, and maintenance (SDLC) of a database infrastructure to manage relational data for subscriptions, customers, and user transactions that supports over **20,000** users.
- Optimized page load times by 15% and reduce internal memory usage by 23% using Next.js server-side rendering.

PROJECTS

ColorCue | JavaScript, TypeScript

[Devpost](#) | [GitHub](#)

- Won 2nd place at the annual QWER HACKS Hack-a-thon by launching a Firefox extension designed to enhance web accessibility for users with color vision deficiencies.
- Refactored a daltonization algorithm publication to fine-tune the calibration of every individual color pixel hex-code within the Document Object Model (DOM), enabling the adjustment of images and background colors.

Retainify | Flutter, Apache Hive, Notion API, Cohere LLM

[GitHub](#)

- Developed a cross-platform mobile app that integrates with a user's Notion account to synthesize review questions using AI and send timed notifications for spaced repetition studying.
- Established ETL pipelines to provide raw text data to the Cohere LLM and API endpoints, enabling users to interact with AI generated text on the front-end UI in an informed manner.