

Tyler Tran

714-404-1438 | tylerduytran@gmail.com | [linkedin.com/in/tylerdtran](https://www.linkedin.com/in/tylerdtran) | github.com/tylerdtran | tylertran.me

EDUCATION

University of California, Los Angeles

Bachelor's in Computer Science

Los Angeles, CA

Expected Graduation: June 2025

TECHNICAL SKILLS

Languages: Python, Java, C, C++, JavaScript, TypeScript, Go, C#, HTML, CSS, SQL

Frameworks: Node.js, React.js, React-Native, Django, Express.js, Next.js, .NET Core

Developer Tools: AWS, Docker, Kubernetes, Git, GitHub, Netlify, Vercel, Linux

Databases: PostgreSQL, MySQL, AWS: Aurora, RDS, NoSQL: Firebase, Apache Hive, MongoDB

EXPERIENCE

Daily Bruin

Oct 2023 – Present

Software Engineering Intern

Los Angeles, CA

- Implemented an automated data synchronization solution using a CI/CD Pipeline for the Daily Bruin's content management system, resulting in a 42% latency reduction for real-time updates and deployment time by 20%.
- Spearheaded a team in developing an internal sources citation manager for journalists, utilizing MongoDB and Docker containerization to improve accessibility for Daily Bruin Staff to efficiently cite sources up to 30% faster.
- Deployed and maintained Gallery-maker on Kubernetes, enabling Photo team to publish photo galleries and resolved authentication issue by reconfiguring Django admin access.

Meristream

Jun 2023 - Sep 2023

Software Engineering Intern

Remote

- Designed a scalable database infrastructure for the SaaS web application to handle over 100,000 users of relational data between subscriptions, customers, and user transactions.
- Utilized Next.js server-side rendering to optimize page load times by 15% and reduce internal memory usage by 23%.
- Integrated Prisma Object Relational Mapping to efficiently model: user data, user subscriptions, active device logins, transaction history, and construct relations within the AWS Aurora PostgreSQL Database.
- Established secure communication between front-end UI states, Stripe API and Supabase by developing an Express.js API to ensure reliable, idempotent operations for secure data transmission.
- Configured AWS IoT Device Management services to enforce login restrictions for IoT devices, leveraging selected payment options for enhanced security and access control.

ACM TeachLA

Apr 2022 - Present

Software Developer Intern

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 restructured the existing codebase to run automated error checks, reducing runtime compilation errors by 26%.

PROJECTS

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

[GitHub](#)

- Developed a cross-platform mobile app that retrieves user notes from Notion, forwards the raw text to Cohere AI's Large Language Model for analysis, presenting the AI-generated questions to improve user information retention.
- Refactored the communication between the Hive NoSQL database and mobile UI to persistently store data obtained from the Notion API and Cohere LLM into local storage.
- 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.

BruinClub | *React.js, Node.js, Firebase, Git, GitHub, CSS*

[GitHub](#) | [Website](#)

- Launched a web platform that empowers users to explore, review, and share personal experiences about UCLA's 1000+ clubs and organizations.
- Integrated a dynamic club review system, bridging Firebase Realtime Database's back-end data with the front-end UI, enabling users to write, edit, and delete ratings and reviews for individual clubs.