

# Tom Oh

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## EDUCATION

### University of California, Los Angeles (UCLA)

Los Angeles, CA

Bachelor's in Computer Science and Linguistics

Expected Graduation: June 2026

- **Relevant Coursework:** Software Construction, Computer Architecture, Data Structures and Algorithms (C++), Computer Science (C++/Python), Discrete Math, Probability, Statistical Analysis with R, Linguistic Analysis, Phonetics, Syntax

## TECHNICAL EXPERIENCE

### Tesla

Palo Alto, CA

Technical Product Management Intern

June 2024 – September 2024

- Coordinated development of full-stack internal tool for firmware localization team that organized **30,000 LLM translated** strings each for **32** different languages saving approximately **\$300k** in annual translation costs
- Created dynamic frontend with **React.js** that allowed for seamless editing, approving, and searching of translated strings
- Built **API** endpoints and backend controllers with **Ruby on Rails** to create, delete, update, and retrieve data
- Managed and engineered UI localization into Arabic along with international keyboard functionality using **C++** and **Qt**
- Consulted with software engineers, linguists, translations vendors, and product managers to ensure user-friendliness
- Generated software issue tickets on **JIRA** for UI errors and validation, facilitated and merged pull requests

### Flawless AI

Los Angeles, CA

Software Engineer and Product Consultant

January 2024 – May 2024

- Created tool for generating facial-audio dataset of foreign-language speech for AI Hollywood post-production editing startup
- Provided **~1000 search queries** for foreign media by building data crawling and web scraping tools in Python
- Developed **Python** script that used **IBM Watson API** to transcribe audio from video and annotated clips with **Encord**

### Evyree - Student Savings App Startup

Los Angeles, CA

Full-stack Software Engineer

August 2023 – November 2023

- Full-stack **React Native** and **PHP** developer at student savings startup that provided students discounts for local businesses
- Introduced map feature using **Google Maps API** to dynamically display **30+ partner** locations and deals to **500+ users**
- Arranged meetings with local businesses, filmed promotional content, and conducted market research tailored for each client

### UCLA Radio

Los Angeles, CA

Software Engineer

January 2023 – Present

- Utilizing **React**, **HTML**, **CSS**, and **JavaScript** to develop and maintain [uclaradio.com](http://uclaradio.com), UCLA's largest music publication
- Increased monthly website traffic by **81%**, from 1.1k visits per month to **2k** through website redesign and online promotion

### UCLA Division 1 Tennis

Los Angeles, CA

Software Engineer and Consultant

January 2024 – Present

- Collaborated with UCLA Tennis to build web-app hosting footage of **~50 games** from **24 players** with **Next.js** and **Firebase**
- Added functionalities that lets players search through match footage based off stroke type, point winner, ball placement, etc
- Provided players with personalized data analytics and visualizations for a deeper, quantitative insight into their performance

## PROJECTS

### Alumni Avenue

- Developed social networking web application using **MongoDB**, **Express.js**, **React.js**, and **Node.js**
- Connected users to alumni of campus organizations they were involved in and search by field of work, occupation, company, and graduation date to help students efficiently develop connections and receive referrals
- Implemented backend controllers that enabled user authentication, users being able to create, join, and leave networking groups, and send emails through the app by leveraging **nodemailer.js**

### Blair AI - LA Hacks 2024

- Spearheaded creation of full-stack mental health platform using **React.js** and **Node.js**
- Integrated **LLMs**, **Google Gemini API**, and **natural language processing** to analyze and encrypt journal entries for key insights such as mood, coping mechanisms, emotional intensity, and general themes while maintaining user confidentiality
- Implemented **Chart.js** to dynamically visualize patient data, enhancing psychiatrist's ability to monitor patient progress

## ADDITIONAL

- **Skills:** JavaScript, Python, R, C++, C, HTML, CSS, Java, Bash, Swift, Ruby on Rails, React.js, React Native, Next.js, Node.js, Express.js, MongoDB, Firebase, Docker, SQL, Git, Linux, Figma, Adobe Premiere Pro, Adobe Illustrator, JIRA
- **Interests:** Tennis, Finance, Jazz Guitar, Basketball, Sneakers, Graphic Design, Fashion, Hiking, Rock Climbing, Machine Learning, Social Justice, Mechanical Keyboards, Shaquille O'Neal