

# Tomas Oh

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## EDUCATION

**California State University, Fullerton**

Expected Graduation: December 2025

*Bachelor of Science in Computer Science*

*GPA: 3.95*

**Relevant Coursework:** Data Structures, Software Engineering, Algorithm Engineering, File Structures and Databases

## EXPERIENCE

**Data Science Research Assistant** | *Project ACCESS*

May 2024 – June 2024

- Completed a five-week research program, utilizing data science knowledge to address emerging social justice issues
- Co-developed a model to predict technological industry salaries based on demographic data using NumPy, Pandas, and scikit-learn and utilizing the Stack Overflow 2022 Developer Survey
- Provided a web interface to interact with the predictor model using Svelte and FastAPI

**Supplemental Instructor** | *California State University, Fullerton*

Jan 2024 – Present

- Integrated interactive and collaborative study techniques to enhance student learning of Calculus III concepts
- Encouraged active student participation and peer discussion, resulting in a **10%** average grade increase

## PROJECTS

**Fullyhacks** | *Next.js, ReactJS, TypeScript, TailwindCSS, MongoDB, Prisma*

Dec 2023 – Feb 2024

- Collaborated as a team of six to redevelop the full-stack web application for Fullyhacks, the largest **year-round hackathon** at California State University, Fullerton
- Implemented UI components across different pages, including the landing page, application page, and user portal
- Worked closely with the project lead to deliver an enhanced user experience for **500+** users

**QuizZard** | *SvelteKit, TypeScript, TailwindCSS, Supabase*

Jan 2024 – Feb 2024

- Created a full-stack quiz web application built for interactive learning and enhancing Math SI sessions
- Utilized Supabase for Authentication and **CRUD** operations to enable users to build their own quizzes

**char-roles-bot** | *Deno, TypeScript, Discord REST API*

Dec 2023 – Jan 2024

- Developed a Discord application to automatically assign/remove roles in a server via slash commands
- Utilized the Discord REST API to handle **80+** roles for a server with **400** members

**github-stats** | *Go, Github API*

May 2024 – June 2024

- Created an interactive CLI application to fetch GitHub user stats (issues, pull requests, and earned stargazers)

**MatriXpert** | *ReactJS, JavaScript, KaTeX, Vitest*

June 2023 – July 2023

- Developed a comprehensive calculator website capable of performing multiple linear algebra operations (matrix multiplication, transpose, determinant, etc.)
- Generated end-to-end unit testing on the underlying matrix algorithms using **Vitest**

## SKILLS

**Programming:** C, C++, Python, TypeScript, JavaScript, Go, Java, HTML/CSS, SQL

**Web Development:** Next.js, ReactJS, Node.js, Deno, Svelte/SvelteKit, FastAPI, Sass, TailwindCSS

**Databases/Services:** MySQL, SQLite, MongoDB, Supabase, AWS, Netlify, Vercel

**Tools:** Git, Vim/Neovim, Jupyter Notebook, Postman, MS Office, Figma

## EXTRACURRICULARS

**Association for Computing Machinery (ACM)** | *Open Source Software Team Lead, Officer*

Jan 2023 – Present

- Led one of the branches of the **largest computer science club** at California State University, Fullerton
- Maintained the club's **Open Source Software** initiative and organization, tailoring workshop and project ideas toward Open Source development and its impact in the engineering space
- Collaborated with fellow student developers to build software tools with positive impacts on the community