

Mitchell T. Cootauco

Los Angeles, CA 90045 | mcootauc@gmail.com | (626) 782-3100

LinkedIn: <https://bit.ly/3PPsYmr> | Github: <https://bit.ly/48wt7SY> | Portfolio: <https://bit.ly/4kVaQnR>

EDUCATION

Loyola Marymount University | *Los Angeles, CA*

M.S. - Computer Science GPA 3.9

May 2025

B.S. - Computer Science | Minor in Interactive, Gaming, and Immersive Media

May 2024

Relevant Coursework: Software Architecture, Deep Learning, Cybersecurity, Data Structures, Algorithms, Web Application Development, Mobile Application Development, Logic and Computer Design, Linear Algebra, Databases

Campus Activities: Crimson Consultant Group, Men's Club Volleyball, League of Legends Team

WORK EXPERIENCE

Project Lead - Crimson Consultant Group | *Los Angeles, CA*

February 2024 - May 2025

- Spearheaded a client project for a multi-billion-dollar short-term rental company by directing product development teams to curate a front-end interface for **23,000** monthly active homeowner stakeholders
- Created an improved version of the client's web app using **Vue** and **Firestore** to store and display information
- Managed a GitHub repository for a **10-member Agile** team, overseeing commits and approving pull requests

Full Stack Software Engineer - HHQueen | *Remote*

February 2025 - April 2025

- Optimized database schema with **Prisma**, improving data management for user profiles, venues, and images
- Deployed a **Next.js** large-scale web app using **React** and **TypeScript**, enabling auto-fill search for venue requests
- Designed API functions, including a business-owner warning system, ensuring the archiving of outdated venues

Software Engineer Intern - NextFoundArtist | *Remote*

January 2025 - May 2025

- Launched CRUD operations and social OAuth routes using **TypeScript**, **Python**, and **SQL**, optimizing data management and account security
- Enhanced the user dashboard utilizing **Next.js** and **TypeScript**, ensuring a dynamic and responsive user interface
- Containerized **15 FastAPI** endpoints with **Docker** and deployed via **AWS Lambda**, cutting release time by **88%**

Software Engineer Intern - Valley Veterinary Hospital | *San Gabriel, CA*

May 2024 - August 2024

- Developed an automated client registration system using **React Native Expo** and **Supabase** that reduced new client entry time by **20%** and removed data-entry errors, allowing vet techs more time to help clients and pets
- Integrated a Chrome extension to auto-populate new client information into vet management software, which simplified workflow and minimized manual data handling, raising the number of new clients by **5%** every month
- Deployed a **Next.js** web app displaying client data, enabling vet technicians to view and copy registrations

Software Engineer Researcher | *Loyola Marymount University*

May 2023 - June 2023

- Designed a web app using **React** and the eBird API, improving online experience and access to avian knowledge
- Resolved API connectivity issues by rectifying the API key discrepancy, ensuring data flow and functionality
- Composed a responsive layout that adapts to various devices, enhancing accessibility and user engagement

TECHNICAL PROJECTS

Women-Owned Small Business Data Analysis | *Data Science Competition*

March 2024

- Processed **50,000+** EPA records using Excel, **Python**, and **R**, cleaning data and selecting key features for analysis
- Developed a linear regression model in **R**, achieving an R-squared of **0.82**, identifying key factors impacting contract awards
- Created clear data visuals with **Python** to highlight funding trends, improving stakeholder insights

LMU Hacks Winner - Interactive Web App | *Full Stack*

April 2023

- Participated in a hackathon focused on the United Nations' 17 Sustainable Development Goals, earning **1st place**
- Developed a "Cookie Clicker"-inspired web app using **React** and **Firestore** for user auth and real-time data
- Implemented a **Python** website scraping script to help donations to Team Trees, improving user satisfaction

SKILLS

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

Frameworks & Libraries: React, Next.js, Node.js, Tailwind CSS, AWS, Vue, Firebase, Docker, FastAPI, Beautiful Soup

Databases & ORMs: MongoDB, Supabase, MySQL, PostgreSQL, Redis, Prisma