

# Mitchell T. Cootauco

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## 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 **Firebase** 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- Designed API functions, including a business-owner warning system, ensuring the archiving of outdated venues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 social OAuth routes using **TypeScript** and **Python**, increasing account security for users
- Created a Partner user schema by writing **SQL** for tables and queries for data control, enabling a new user role
- 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 **Firebase** 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