

Anthony Chen

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Education

University of California, Los Angeles (UCLA)

Expected June 2025

B.S. in Computer Science

- **GPA:** 3.8 / 4.0
- **Relevant Coursework:** Software Construction, Computer Architecture and Organization, Data Structures & Algorithms, Algorithms and Complexity, Discrete Structures, Operating System

Experience

Software Developer

November 2022 - Present

UCLA DevX - BruinBot

Los Angeles, CA

- Developed backend services for BruinBot, an autonomous robotic delivery project designed to help UCLA
- Architect database models and server routing for location and path orchestration utilizing Express/Node.js, MongoDB/Mongoose, AWS

Dev Lead

June 2022 - August 2022

BruinLabs

Los Angeles, CA

- Led team of 3 to prototype a food delivery service app; assisted PM in market research and forming business model
- Utilized Geoapify API for geolocation and place autocomplete; integrated Google Maps API for user navigation
- Processed and verified 100% of user payments using Stripe API and backend ran through Firebase Cloud Functions
- Created global user pairing system and displayed dynamic interfaces and functionalities based on user profiles

Web Developer

February 2022 - June 2022

UCLA Anderson School of Management Marketing & Communication

Los Angeles, CA

- Performed global-styling repairs and code maintenance using HTML/CSS, SASS, and JavaScript
- Managed event website for the Riordan Programs Anniversary and followed responsive web design principles to increase accessibility
- Incorporated Agile development methodology and used Jira Workflow to organize and track project tasks

Projects

Bruin Study

April 2022 – June 2022

- Directed team of 5 to build a web application using PERN stack to help UCLA students find study partners
- Defined and tested own RESTful APIs using Express/Node.js and used Axios for sending HTTP requests
- Co-implemented and deployed a PostgreSQL database schema and architecture to Heroku
- Designed robust matching algorithm to filter through user profiles and calculate best matches
- Collaborated with 3 Frontend Developers and optimized main user interface rendering speed by an estimated 80%

Spotify Clone

June 2022 - July 2022

- Replicated Spotify user Interface with Next.js and TailwindCSS, utilizing Recoil for effective global state management
- Integrated music playing functionalities by connecting to active devices through Spotify Web API
- Implemented user login/authentication system with OAuth 2.0 protocol using NextAuth

Unhinged Matchmaker

February 2022 - March 2022

- Designed and implemented a Radix Tree data structure using C++ to efficiently store user data
- Created matching algorithm to generate compatible matches by filtering through 100,000+ user profiles

Amazon Clone

December 2021 - January 2022

- Created a simplified clone of Amazon.com using Stripe to process payments
- Built responsive and dynamic user interface using HTML/CSS, React, and React Context API
- Employed Firebase for user authentication and cloud hosting with Firestore database for managing user data

Skills

Languages: JavaScript/TypeScript, Python, C++, C, HTML/CSS, SASS

Technologies: React, React Native, Next.js, Recoil, Redux, Express/Node.js, Bootstrap, TailwindCSS, Selenium, Git, AWS, Docker

Database: SQL, Firebase, MongoDB, PostgreSQL