

Jayden Tan

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EDUCATION

University of California, Santa Barbara

Bachelor of Science in Computer Science - GPA: 3.87

Santa Barbara, CA

Expected Graduation: June 2027

- **Relevant Coursework:** Data Structures and Algorithms, Object Oriented Design and Implementation, Discrete Math, Computer Architecture, Linear Algebra, Differential Equations, Vector Calculus

SKILLS

Languages: Python, HTML, CSS, C++, SQL, Java, JavaScript, Typescript

Frameworks: NextJS, ReactJS, ExpressJS, TailwindCSS, Flask, Django

Technologies: PostgreSQL, NoSQL, AWS Lambda, DynamoDB, Git, Postman, MongoDB, Supabase, Redis, Vercel, Jira

EXPERIENCE

UCSB Office of the Student Advocate

Sep. 2025 – Present

Software Developer

Santa Barbara, CA

- Developing GoGaucho, a campus navigation and course scheduling app serving **10,000+** monthly active users.
- Collaborate in biweekly **Agile** sprints with a team of 4 developers to deliver feature enhancements and bug fixes.
- Integrated click-to-redirect functionality for course schedules in **Vue.js**, enabling navigation to course detail pages.

ConstructWise

June 2025 – Sep. 2025

Software Engineering Intern

San Francisco, CA

- Collaborated in a 6-person team to develop full-stack features for ConstructWise, a construction risk management platform, using **NextJS**, **TailwindCSS**, and **Django REST Framework**.
- Designed interactive **AI-Powered** cost estimate tool with **Claude API** for probabilistic cost forecasting, generating comprehensive list of **4+** CSI subgroups and **20+** CSI items costs for construction projects, enabling contractors to simulate cost/schedule risks with **96%** accuracy.
- Automated task extraction from construction with **Supabase Storage**, reducing manual data entry by **70%**.

Code Ninjas

May 2022 – Sep. 2024

Coding Instructor

Folsom, CA

- Taught **Javascript** and **C#** fundamentals to over **200+** students K-12 through game development projects.
- Onboarded **10+** new instructors on curriculum, classroom management, and student communication strategies.
- Facilitated tours with prospective students, communicating program value and achieving an **80%** enrollment rate.

PROJECTS

Artistle | NextJS, TailwindCSS, Auth0, AWS Lambda, DynamoDB, Redis, Flask

June 2025 – July 2025

- Developed a Wordle-inspired, interactive daily puzzle game where players guess Spotify artists, built with **NextJS** and **Tailwind CSS** for responsive frontend, **Flask** for backend, and **Auth0** for secure user authentication.
- Utilized **AWS** serverless architecture (**Lambda**, **DynamoDB**, **CloudWatch Events**) to generate new artists daily and track player stats with **Redis** caching to reduce API calls by **40%**, enabling automatic scaling.

UCSB-Dine-In | NextJS, NodeJS, TailwindCSS, Supabase, UCSB Student Developer API

Jan. 2025

- Created **NextJS** website for **UCSB** students to view and provide their own reviews on dining hall meals around campus, utilizing **Supabase** to store review information and images, and **TailwindCSS** for styling.
- Integrated **UCSB Student Developer API** to display **200+** real-time food items across 4 dining halls.
- Spearheaded design and development while mentoring **3** novice teammates in full stack fundamentals.

ACTIVITIES

SB Hacks

August 2025 – Present

Development Officer

Santa Barbara, CA

- Redesigned and optimized NextJS/TailwindCSS website and integrated **CI/CD** workflows (**Github Actions**) to support **Agile** development, streamlining registration, application, and communication for **450+** participants.
- Implemented backend services with **Firebase** to ensure secure and scalable handling of participant data.
- Translated design team's **Figma** splash pages into responsive **NextJS** components for the official SBHacks website.