

Jayden Tan

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EDUCATION

University of California, Santa Barbara

Santa Barbara, CA

Bachelor of Science in Computer Science - GPA: 3.96

Expected Graduation: June 2027

- **Relevant Coursework:** Problem Solving with Computers I, Problem Solving with Computers II, Object Oriented Design and Implementation, Foundations of Computer Science, Linear Algebra, Differential Equations, Vector Calculus

WORK EXPERIENCE

Code Ninjas

May 2022 – Sep. 2024

Coding Instructor

Folsom, CA

- Taught Javascript and C# fundamentals to over **50+** students K-12 through game development projects.
- Onboarded and trained **10+** new instructors on coding curriculum, classroom management, and parent-student communication strategies.
- Facilitated tours and consultations with parents, communicating program value to prospective students, achieving an **80%** enrollment rate.
- Recognized the need for an organized management system and took initiative to independently design and develop NinjaBucks Dashboard, a platform for users to track and modify CodeNinjas' currency.

PROJECTS

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

June 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 automatic scaling.
- Implemented **Redis** caching to reduce API calls by **40%**, optimizing performance.

UCSB-DineIn | 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.
- Leveraged **UCSB Student Developer API** to retrieve and display **200+** unique food items from **4** dining halls to provide users with accurate and up-to-date information.
- Spearheaded design and development while mentoring novice teammates in full stack fundamentals.

SpotifyMusicVideo | ReactJS, YouTube API, Spotify API

Aug. 2024 – Sep. 2024

- Developed **ReactJS** website enabling Spotify users to sync their current Spotify track with its corresponding Youtube music video.
- Integrated **Spotify API** to handle user authentication and retrieve the currently playing track, while leveraging **Youtube API** to search for and stream the related music video.

NinjaBucks Reward Dashboard | ReactJS, ExpressJS, NodeJS, MongoDB

July 2024 – Aug. 2024

- Designed and developed **ReactJS** rewards dashboard to display student balances and transaction history for instructors and students to monitor and modify for rewards based on in-class performance, storing data within **MongoDB**.
- Utilized **ExpressJS** to manage routing and HTTP requests efficiently, facilitating authentication, data retrieval, and error handling between client and Node.js server.
- Implemented into three CodeNinjas franchises, serving the needs of **150+** students and **40+** instructors.

SKILLS

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

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

Technologies: AWS Lambda, DynamoDB, Git, Postman, MongoDB, Supabase, Redis, MacOS, Windows, Vercel