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*

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, daily interactive 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 puzzles daily and track player stats with automatic scaling.
- Implemented **Redis** caching to reduce API calls by **40%**, optimizing performance.

Quizki | *ReactJS, ExpressJS, NodeJS, MongoDB, Auth0, Gemini API*   **April 2025**
- Built a secure **ReactJS** web application with **Auth0** authentication and **MongoDB** for user data storage that allows users to create, review, and quiz their knowledge through flashcards and practice tests.
- Designed auto-graded practice tests that reward users with points to be redeemed for randomized Smiski collectibles, incentivizing learning.
- Integrated **Google Gemini API** to build Professor Smiski, an engaging Smiski-themed study chatbot students can utilize to create flashcards.

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
Technologies: ReactJS, NextJS, TailwindCSS, Postman, MongoDB, Supabase, Git, AWS Lambda, DynamoDB, Redis