Jayden Tan

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EDUCATION

University of California, Santa Barbara   **Sept. 2024 – June 2028**
Bachelor of Science in Computer Science   *GPA: 3.96*

EXPERIENCE

Coding Instructor   **May 2022 – Sep. 2024**
Coding Instructor   *Folsom, CA*
- Taught Javascript and C# fundamentals to over 50 students K-12 through game development curriculum.
- Onboarded 10 new instructors through training of the CodeNinjas curriculum and parent-student communication strategies.
- 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, Tailwind CSS for responsive design, and Auth0 for secure user authentication.
- Integrated 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.

UCSB-DineIn | *NextJS, NodeJS, TailwindCSS, Supabase, UCSB Student Developer API*   **Jan. 2025**
- Created NextJS website for UCSB students to view and provide reviews on dining hall meals on campus, utilizing Supabase to store review information and images, and TailwindCSS for styling.
- Leveraged UCSB Student Developer API to retrieve and display over 200 different 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 Express.js to manage routing and HTTP requests efficiently, facilitating authentication, data retrieval, and error handling between client and Node.js server.
- Implemented by three CodeNinjas locations, serving the needs of over 150 students and 40 instructors.

ACTIVITIES

CS@Vista   **Aug. 2020 – May 2024**
Member   *Vista del Lago High School*
- Competed in various coding and cybersecurity competitions, such as PicoCTF, Cyberpatriot, and CodeWars.
- Led CodeWars team of three to fifth place in CodeWars 2024 as well as reaching the state level in the nationwide cybersecurity competition CyberPatriot.

SKILLS

Languages: Python, HTML, CSS, C++, Java, JavaScript
Technologies: ReactJS, NextJS, TailwindCSS, Postman, MongoDB, Supabase, Git, AWS Lambda, DynamoDB, Redis