

Kyan R. Santiago-Calling

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EDUCATION

San Diego State University

San Diego, CA

B.S. in Computer Science, Minor in Mathematics

Expected Graduation, May 2027

- **Concentrations:** Full-Stack Software Development/Artificial Intelligence & Machine Learning
- **Related Coursework:** Data Structures & Algorithms, Computer Organization & Programming, Object-Oriented Programming, Statistics & Practices, Software Systems

PROJECTS

Full-Stack Blackjack Project (FastAPI, React, Framer Motion)

Personal Project

Feb 2025

- Developed and deployed an interactive Blackjack game with animations using React & Framer Motion.
- Engineered a **FastAPI backend** to handle deck shuffling, player actions, and game state management.
- Integrated real-time game logic to prevent invalid actions and enhance the player experience.
- Deployed on Railway & Vercel, making the game accessible online.

AI-Powered Flashcards (In Progress) (FastAPI, OpenAI API, React)

Personal Project

Mar 2025 -- Present

- Developing an AI-driven flashcard generator powered by **OpenAI API**.
- Implementing React-based UI for smooth user interaction and study tracking.
- Planning PostgreSQL integration for user authentication & flashcard storage (future).

EXPERIENCE

World Computing Organization

San Diego, California

Machine Learning Researcher

Jan 2025 – Present

- Developing an AI-powered basketball scouting system for the SDSU Men's NCAA D1 Team.
- Implementing computer vision to track player movements and positions, extracting playtime and formation data to enhance scouting insights.
- Designing and **fine-tuning machine learning** models to predict player habits, offensive/defensive adjustments, and strategic recommendations based on real-time analytics.

Massachusetts Sneakers

South Shore, Massachusetts

Owner

Apr 2020 -- Aug 2024

- Founded and operated a sneaker resale business, sourcing, pricing, and selling high-demand footwear, generating over **\$100,000 in revenue** through marketplace platforms and direct sales.
- Developed expertise in market trends, negotiation, and customer engagement, **leveraging social media** and resale platforms to optimize pricing and maximize profits in a competitive industry.

ACTIVITIES AND LEADERSHIP

San Diego State University - Computer Science Clubs

San Diego, California

- Active Member in Artificial Intelligence Club, eLeet Coders Club, Computing Machinery Association, and World Computing Organization

Tau Kappa Epsilon - Gamma Lambda Chapter

San Diego, California

- Elected Class President of 55 new members

SKILLS

Programming: Java, Python, JavaScript, HTML/CSS, Node.js, React.js, FastAPI, C++, C, TypeScript

Tools: Railway, Vercel, Git, Bootstrap, VSCode