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

SkillSync - Resume-to-Job Matcher (Django, NLP, scikit-learn)

Personal Project   *Mar - Apr 2025*

- Built a Django web app that analyzes resume-to-job description match using keyword overlap and NLP techniques.
- Integrated PDF/text parsing (PyMuPDF), keyword extraction (CountVectorizer), and match scoring with visual feedback.
- Designed interactive results page with match percentage, missing keywords, and actionable suggestions.
- Implemented file uploads, session tracking, and Bootstrap-based UI with custom template filters.

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

Personal Project   *Mar 2025*

- Built and deployed an interactive Blackjack game with real-time logic and Framer Motion animations.
- Designed a FastAPI backend for deck handling, game state management, and player actions.
- Launched to production using Railway and Vercel for full online access.

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

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

Tools: Django, React.js, FastAPI, scikit-learn, Bootstrap, Git, Docker, Data Analysis