

Kyra Ramirez

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SUMMARY

Computer Science and Business Analytics graduate student specializing in Artificial Intelligence and Machine Learning. Skilled in Python, Java, data modeling, AI agents, cloud technologies, and analytical problem-solving. Seeking AI/ML or data analytics roles leveraging technical expertise to build scalable, impactful, data-driven solutions.

EDUCATION

M.S. Business Analytics – *Expected 2028*

California Polytechnic State University – San Luis Obispo, CA

B.S. Computer Science, AI & ML Concentration – *June 2026* | Dean's List, Spring 2024 & 2025

Relevant Coursework: Software Engineering; Data Structures & Algorithms; Artificial Intelligence; Data Analysis; Database Systems; Systems Programming; Design & Analysis of Algorithms; Discrete Structures; Project Management

Programming Languages & Tools: Python, C/C++, Java, JavaScript, SQL, NoSQL, Assembly, Racket

AWS, GitHub, React.js, Node.js, REST APIs, Linux, Figma, Power Automate, Microsoft Copilot

Studio, JMP, MS Office, HTML

Concepts: Machine Learning, Data Modeling, Cloud Architecture, Object Oriented Design, UI/UX, Automation, Data Science, Operating Systems/Databases, Distributed & Parallel Computing

EXPERIENCE

AI and Machine Learning Student Analyst – Cal Poly Environment Health & Safety (*May 2026 – Present*)

- Designing and implementing workflow automations to streamline internal processes
- Developing new features and improvements for an internal application to enhance functionality and user experience

Systems/Platform Engineering Intern – Premera Blue Cross (*June 2025 – Aug 2025*)

- Collaborated with a team of interns to design and develop AI agents using Microsoft Copilot Studio
- Built and focused on automated infrastructure, workflows, ensuring reliability and scalability, and providing self-service tools for developers
- Utilized Power Automate, Power Fx, and Power Apps to build automated workflows and applications
- Developed customized AI agents for multiple Premera internal teams to enhance efficiency and streamline processes

Calculus 1 Grader – Cal Poly (*Jan 2026 – Present*)

- Grade assignments and exams; provide feedback to support student understanding of calculus concepts

Head of Artificial Intelligence – AWS Cloud Club (*June 2024 – Current*)

- Co-founded a new club on campus to provide education about the AWS cloud and its various use cases related to security, AI, and business analytics/transformations
- Provide hands-on experience through projects and peer collaboration
- Lead and participate in hackathons, tournaments, camps, and projects

Hack4Impact Club - UI/UX Designer/Website front-end designer (*Sept 2023 – June 2025*)

- Designed and developed websites for nonprofit organizations using Figma and JavaScript frameworks
- Collaborated with developers and nonprofit clients to create accessible digital tools

PROJECTS

Early Warning System: Built an early warning system at the Amazon Hackathon (*July 2023*); won first place

UniHealth: Co-founded a startup created in partnership with Cal Poly's Health Center to improve student access to healthcare resources

Ultimate Tic-Tac-Toe: Built an AI-driven Tic-Tac-Toe game using search and decision-making algorithms

Freebie Finders (<https://github.com/kyramirez/Ctrl-Alt-Elite>): Full-stack website for listing and claiming free items with user authentication

Synergistic Intelligence – Senior Capstone Project: Lead AI development for an LLM-powered web platform, focusing on personalized, context-aware chatbot interactions and scalable backend integration