Arianna Hernandez

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EDUCATION

California State University Sacramento — Sacramento, CA
Bachelor of Science in Computer Science — Expected Fall 2025
Minor in Business Administration (Finance)
Relevant Coursework: Computer Network Fundamentals, Computer Organization, Unix Programming, Computability and Formal Languages, Software Engineering, Data Structure and Algorithms, Object Oriented Programming.

TECHNICAL SKILLS

Programming Languages: Proficient – Python, Java, CSS, HTML, SQL, TypeScript, C programming
Software: Visual Studio Code, React Native, Android Studio, Excel, MySQL, AWS Lambda, AWS APIs, Lang chain Large Language Model (LLM) Framework, Unix/Linux (WSL2), Eclipse, WordPress
Certifications: Advanced Excel McGraw Hill Certificate.

WORK EXPERIENCE

City of Vacaville – Part-Time — Vacaville City, CA
Youth Specialist Leader (After School Program) — September 2023–Present
- Engaged in youth leadership with Vacaville's after school program, "Thank Goodness it's Fun Day" (TGIF).
- Fostered an inclusive and supportive environment where children could openly express their concerns and ideas, providing mentorship focused on problem-solving, kindness, and leadership development to encourage personal growth and academic confidence.

Suisun City – Seasonal Internship (WordPress Admin Panel, Excel, HTML) — Suisun City, CA
Informational Technology Intern at the Human Resource Department — June 2022–September 2022
- Independently managed the City of Suisun's HR website, ensuring accurate, and up-to-date resources.
- Developed a comprehensive employee database and conducted research for the 2022 salary survey, enhancing HR efficiency, and consistently exceeding performance expectations in a high-pressure environment.

PROJECTS

Medi-Track Healthcare Application (JavaScript, HMTL, CSS, React Native, Type Script)
- Invested on designing an application to help medical professionals manage patient information, track records, and order lab tests.
- Led front-end development to create intuitive navigation and enhance user experience, resulting in top-preforming project in Software Engineering course.

Generated AI MLT Partner Bot (Python, Linux, AWS, LLM, WSL2)
- Engineered an AI tool that retrieves and analyzes 10-Q and 10-K fillings for MLT partners, leveraging a python-based RAG framework to provide data driven insights and answer complex specific questions.
- Integrated CIK lookup functionality, enhancing the bot's performance and enabling rapid, accurate access to company data for strategic decision making.

Redis Project (C, Unix, Docker)
- Enhanced an in-memory data structure, commonly used as a database, cache, and message broker.
- Formulated and Implemented Redis Serialization Protocol, optimizing client-server communication, handling basic commands and RDB file reading.

LEADERSHIP AND PROFESSIONAL DEVELOPMENT

Management Leadership for Tomorrow (MLT) — San Francisco, CA
Career Preparation Fellow — March 2023–Present
- Selected among thousands of high achieving applicants to participate in this Career Preparation program focused on professional and leadership development.
- Completed exercises and assignments to develop leadership and technical skills within Software-Engineering.

Creating A Path to Success (CAPS) — Sacramento, CA
2022 Cohort Scholar — February 2022–August 2022
- Accepted among a competitive pool of applicants to research and apply public speaking on the effectiveness of ESG (Environmental, Social, and Governance).