

Enrique Alcacer

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EDUCATION

California State University – Sacramento
Master of Science in Computer Science

Sacramento, CA, May 2024

Emmanuel University

Franklin Springs, GA, May 2020

Bachelor of Science in Mathematics, additional major in Business Administration with Information Systems

EXPERIENCE

University Enterprises Inc., Sacramento, CA

May 2022 - Present

Frontend Engineer

- Partnered with stakeholders on a product that intended to restructure a multi-page web application into a single-page design with the latest technology; enhanced administrator content management functionality, leading to an outstanding 80% improvement.
- Optimized brand cohesion by merging three organization websites, increasing user engagement by 15%, resulting in 15,000+ daily active users.
- Authored comprehensive feature documentation, reducing by 90% content editing time from 1 hour to 10 minutes.

Lanaccess, Barcelona, Spain

Jun 2023 – Aug 2023

Mobile App Developer Intern

- Developed a cross-platform mobile application for Android and IOS using Ionic and Angular, reducing the software development lifecycle by 50%.
- Conceived a 40% reduction in video buffering time using WebRTC and RTSP protocols, achieving less than 1 second of the real-time video delay, enhancing the real-time streaming experience.
- Spearheaded the transformation of menu generation and search function by implementing industry-standard coding principles; orchestrated a 20% decrease in app loading time and accelerated search functionality by 30%, benefiting 20,000 active users.
- Addressed software changes for 5+ software engineers, quality assurance through code review, and documentation specialists using Git distributed version control.

PROJECTS

Schedule Chatbot Generative AI, Sacramento, CA

April 2024 - May 2024

Data Scientist and Natural Language Processing Engineer

- Achieved a 75% decrease in scheduling errors, resulting in smoother coordination among team members.
- Achieved 95% accuracy in meeting date extraction, surpassing information retrieval through RAG technique.
- Decreased user errors by 70% by improving data modeling, leading to smoother interaction.
- Improved meeting scheduling efficiency using vector embedding techniques that extracted 90% more context from text.

Network Intrusion Detection Engineer, Sacramento, CA

Aug 2023 – Dec 2023

Data Scientist and Machine Learning Engineer

- Collaborated with a team engineering CNN, FCNN, and Transformer models using TensorFlow, achieving a 97% accuracy score for network intrusion detection.
- Orchestrated the classification of 10 attack types, strengthening network security and reducing the vulnerability and risk of successful cyber attacks.
- Introduced advanced techniques such as data augmentation and transfer learning into network security solutions, delivering a substantial 30% boost in robustness and elasticity metrics using Python, Numpy, and Pandas.

TECHNICAL SKILLS

Programming Languages: JavaScript, Typescript, Python, Java · **Frameworks:** React, Redux, Spring Boot, Angular, Gatsby, Node.js, Ionic, JUnit, Selenium · **Dev Tools:** GraphQL, AWS, Git, Docker, MongoDB, SQL, NoSQL, PostgreSQL, Linux · **Others:** HTML, CSS

LANGUAGES

English (Fluent) · Spanish (Native)