

Andrew Ramirez

Campbell, CA

Experienced full stack developer focused on building accessible digital experiences

EXPERIENCE

Lead Full Stack Developer, Prosearch Strategies Inc. Jan 2023 - Apr 2025
Los Angeles, CA

- Architected and delivered scalable, multi-tenant web applications, integrating secure Microsoft Graph API data pipelines with modern front-end experiences in React Typescript.
- Designed and implemented RESTful APIs and microservices in Node.js and Python, optimizing data access and improving response times for high-volume workloads.
- Developed responsive, accessible UI components using React hooks, Context API, and modular styling, ensuring consistent user experiences across platforms.
- Mentored developers through code reviews, technical workshops, and architectural guidance, fostering a high-performing, collaborative engineering culture.

Web Developer, University of Nebraska at Omaha Oct 2021 - Dec 2022
Web Developer Intern Sept 2020 - Oct 2021
Omaha, Nebraska

- Built and maintained responsive single-page applications in Vue.js and Angular, integrating seamlessly with AWS-hosted RESTful APIs and backend services.
- Developed Node.js-based backend services to handle data processing, authentication, and business logic, improving application scalability.
- Optimized complex SQL queries and database interactions for faster page loads and improved reporting capabilities.
- Collaborated with UX/UI teams to design interactive prototypes, conduct usability testing, and implement accessible front-end features.
- Implemented version control workflows with Git and CI/CD pipelines to streamline deployments.

Software Engineer Intern, Elemental Scientific Inc. Aug 2018 - Apr 2020
Omaha, Nebraska

- Created automation scripts and testing tools in Python to validate performance of scientific instrumentation software.
- Designed and implemented a sampling algorithm that improved processing efficiency by 50% over previous iterations.
- Developed test plans, regression test suites, and troubleshooting utilities to improve software quality and reliability.

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SKILLS

Programming Languages

Python, C++, Rust, JavaScript, TypeScript, HTML, CSS

Frameworks & Libraries

React, Next.js, React Native

Developer Tools & Platforms

Azure, Git, GitHub, Docker,

SELECTED PROJECTS

Flashcard Generator

Automatically generate flashcards from your PDF files with LLM to help you study.

GAN Tutorial

A tutorial that demonstrates how to write and train a GAN using tensorflow.

Whisper

A CLI chat application allows you to chat with anyone within the network made in Python using sockets.

EDUCATION

University of Nebraska at Omaha

Bachelor of Science in
Multidisciplinary Studies
Concentration Computer Science

CERTIFICATIONS

AZ - 900, Certification in Python Programming, Certification in C++ Programming.