Francisco Camacho Cervantes

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Education

Colorado School of Mines   Golden, CO

Bachelor of Science, Computer Science GPA: 3.720   May 2024

President's Scholarship Recipient, Colorado Scholars Fund Recipient

Relevant Coursework:

Computer Networks	Information Security & Privacy	Theory of Cryptography
Cloud Computing & Security	Human Factors in Privacy & Security	Operating Systems
Programming Languages	Computer Organization	Data Base Management
Mobile Application Development	Web Programming	Web Applications

Certifications:

Cyber Defense Education Certificate (CAE-CDE) Authorized by the NSA & DHS

Colorado School of Mines equivalent of CompTIA A+, Net+, Sec+

Overland High School   Aurora, CO

GPA: 3.995, IST Scholar   May 2020

Experience

Burst IQ

Remote

Internship   Aug 2022 – Dec 2022

- Developed prototype front-end application.
- Generated proof of concept UI/UX.
- Constructed prototype application that securely manages user information.
- Connected backend processes to front-end application utilizing API requests.
- Worked with production grade graph database.
- Firsthand experience utilizing blockchain as an encryption tool.

Research Activities

Using ChatGPT to Teach Developer Rust

Research Project   Jan 2024 – May 2024

- Developed methodology to measure usability of ChatGPT to learn Rust.
- Utilized proper human research protocols.
- Performed code analysis to search for potential vulnerabilities.
- Recruited participants and trained them to begin conducting our experiments.
- Developed C code for participants to use within experiments.
- Taught participants the important distinctions between Rust and C.
- Coded responses from participants for statistical analysis.

Skills & Interests

Technical Skills:

Microsoft Office Suite: 7+ years of experience	JavaScript, CSS3, SQL, PHP: 2 years of experience
Linux OS, Windows OS: 7 years of experience	ChatGPT, GitHub Copilot: 2 years of experience
C, C++, Python: 4 years of experience	AWS, Docker Containers: 6 Months of experience

Languages:

- Spanish

Interests:

- How to better train software developers about security issues within applications.
- How to train/teach the average person best security practices.
- Helping and teaching inexperienced users how to resolve hardware or software problems.
- Utilizing AI/LLM tools for automated security tools.