MILES HERRMAN

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EDUCATION

California Polytechnic State University

Bachelor of Science in Computer Science

GPA: 3.75   📅 Sept 2021 - Sept 2024   📍 San Luis Obispo

- Graduated Magna Cum Laude in just 3 years, demonstrating the ability to balance rigorous academics with professional work and extracurricular involvement.
- Served as an Orientation Leader for Cal Poly's Week of Welcome, guiding incoming students through their transition to university life.

WORK EXPERIENCE

Technical Sales Associate

Exclusive Networks

📅 Jan 2024 – Sept 2024   📍 San Luis Obispo, CA

- Trained extensively on Fortinet's cybersecurity fundamentals and collaborated closely with senior sales representatives.
- Mentored eight new and junior sales associates, improving their product knowledge and outreach strategies, which boosted their confidence and overall performance.
- Led cold outreach initiatives to potential channel partners, successfully securing a partnership with a company that opened a $300K credit line, significantly contributing to the sales pipeline.
- Utilized NetSuite and HubSpot to manage sales data, track outreach performance, and streamline client interactions.

Cybersecurity Intern

Beyond Secure

📅 June 2023 – Sept 2023   📍 Austin, TX

- Implemented and managed Cloudflare products (e.g., DNS Routing, Access Control), enhancing proficiency in cloud security technologies.
- Participated in technical audit sessions with clients, examining security protocols such as the NIST framework and HIPAA, fostering expertise in compliance standards.
- Prepared for and passed the CISSP exam, gaining a comprehensive understanding of complex security domains and demonstrating strong self-learning capabilities.

English Teaching Assistant

CIEE

📅 Sept 2024 – Current   📍 Madrid, Spain

- Assisted high school students in ESL classes, supporting language development in speaking, listening, and writing.
- Simplified complex ideas for diverse audiences, enhancing clarity and adaptability in communication.
- Engaged students through interactive lessons, strengthening presentation and engagement skills.

PROJECTS

Real-Time Voice Authentication: Deep Learning to Combat Spoofing

- Developed a high-performance voice authentication system using deep learning to detect spoofed speech, trained and evaluated on the ASVspoof 2019 dataset
- Leveraged AWS SageMaker, Hugging Face, and Amazon S3 to train and deploy large-scale deep learning models for audio processing.
- Implemented and fine-tuned state-of-the-art speech processing models using Wav2Vec2 architecture.
- Created a scalable machine learning pipeline for audio data preprocessing, model training, and real-time inference deployment.

Resume Website

- Showcased proficiency in web development technologies (React, JavaScript, etc.) to craft a statically generated platform, attracting more than 600 unique visitors per month.
- Utilized UI/UX libraries to enhance development efficiency and optimize user interface elements, highlighting expertise in crafting an engaging user experience.
- Deployed the website with Cloudflare infrastructure, leveraging the CDN to improve load time and configuring a Web Application Firewall and DDoS protection to fortify security.

CERTIFICATIONS

- **CISSP:** Certified Information Systems Security Professional
- **Fortinet Certified Fundamentals:** Technical Introduction to Cybersecurity

TECHNICAL SKILLS

- **Programming Languages:** Python, C, Java, R, HTML, CSS, JavaScript
- **Software Tools:** Visual Studio Code, GitHub, RStudio, React.js, MySQL, Docker, NetSuite, Hubspot, AWS IAM

COURSEWORK

Systems Programming, Operating Systems, Computer Security, Design & Analysis of Algorithms, Database Implementation, Object-Oriented Programming, Discrete Structures, Software Engineering, Programming Languages, Data Structures