

Kobey Pabellan

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EDUCATION

University of California, Merced

Merced, CA

Bachelor of Science in Computer Science and Engineering

Aug. 2020 – May 2024

- GPA: 3.36; Dean's Honor List (Fall 2020), Chancellor's Honor List (Spring 2021)

EXPERIENCE

IT Security (Student Technology Consultant)

Feb. 2023 – May 2024

University of California, Merced

Merced, CA

- Monitored system logs and user behavior via Splunk to detect and respond to security incidents.
- Conducted network traffic analysis and vulnerability assessments to identify and mitigate potential risks.
- Performed third-party risk assessments to ensure compliance with university data protection standards.
- Resolved IT service tickets via ServiceNow, providing responsive and effective support to faculty, staff, and students.
- Supported cybersecurity awareness initiatives, reducing phishing susceptibility and improving overall security posture.

Sales Advisor

Jul. 2021 – Aug. 2021

Office Depot

Santa Maria, CA

- Guided customers in selecting appropriate technology and office supplies, including laptops, printers, and accessories.
- Handled transactions, online order pickups, restocking, and store upkeep while maintaining sanitization protocols.
- Consistently achieved high enrollment in the customer rewards program through effective engagement and communication.

PROJECTS

Home Server Infrastructure | *Linux, Docker, Networking, Automation*

Mar. 2025 – Present

- Built a home lab with multiple computers running Proxmox, hosting Linux containers for Docker apps, automation, and file storage.
- Crimped custom-length Ethernet cables and configured static IPs, using a switch to connect multiple devices.
- Deployed a Raspberry Pi as a gateway to enable secure remote access to self-hosted services.
- Secured services with SSL certificates and configured an Nginx reverse proxy using a personal domain.
- Performed regular backups of Proxmox containers to preserve service states and configurations.
- Monitored uptime of self-hosted services to ensure high availability and optimal performance.

Port and Vulnerability Scanner | *Python, Nmap*

Jan. 2025 – Jan. 2025

- Created a Python-based Nmap automation tool to scan networks, detect open ports, and identify vulnerabilities.
- Implemented automatic timestamped reporting and persistent result storage for audit and analysis.

Philanthropy Week Web Application | *React, Next.js, Tailwind CSS*

Feb. 2024 – Mar. 2024

- Developed an interactive web platform for a campus philanthropy event.
- Enabled 500+ users across 7 organizations to track event progress and contribute donations.
- Facilitated over \$7,000 in donations for cancer research, showcasing direct impact through tech enablement.

Document Analysis Chatbot (Capstone Project) | *Python, Flask, Docker*

Aug. 2023 – Dec. 2023

- Led technical design and architecture for a chatbot leveraging OpenAI APIs to analyze and query PDF content.
- Built a Flask-based backend containerized with Docker, ensuring portability and scalability.
- Collaborated with stakeholders to define requirements and refine user experience.
- Optimized API calls to reduce cost while maintaining high accuracy and response speed.

TECHNICAL SKILLS

Languages: Python, C/C++, JavaScript, HTML/CSS, Bash, SQL, MongoDB

Frameworks & Libraries: Flask, React, Node.js, Next.js, Tailwind CSS, Selenium

Systems & Tools: Linux, Git, VS Code, Docker

Security & Monitoring: Splunk, Nmap, ServiceNow