Kobey Pabellan

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Merced, CA

EDUCATION

Graduating 05/2024

Computer Science and Engineering, University of California, Merced
- GPA 3.40
- Dean's Honor list
- Chancellor's Honor List

Relevant Coursework
- Intro to Programming, Discrete Mathematics, Advanced Programming, Data Structures, Computer Organization and Assembly Language, Algorithm Design and Analysis, Intro to Robotics, Intro to Object Oriented Programming

SKILLS

- **Technical Skills**: Python, JavaScript, C/C++, Go, R, MIPS Assembly, Web Development
- **Soft Skills**: Critical thinking, adaptability, natural problem solver, collaboration skills, communication skills
- **Languages**: Fluent English, Fluent Cebuano, Conversational Spanish

PROJECTS

Websocket Server
- Teamed up to develop a Node.js WebSocket server that facilitated communication between purchasing software and monitors tracking limited-item stock from online retailers. The server alerted over 200 connected users of stock availability, improving purchasing efficiency.

Arduino Gate Opener
- Created a web-based application using Arduino, enabling remote gate access for all household members. The project involved programming an Arduino board with a servo motor, simulating button presses on the gate's remote control, and providing convenient and secure access.

Raspberry Pi Purchasing Software
- Developed software to monitor and automatically purchase Raspberry Pis from online retailers during the chip shortage. The software mimicked normal user traffic and bypassed anti-bot measures, successfully securing multiple Raspberry Pis within seconds of availability.

Ryze Tello Drone Programming (Solar Energy Association Club at University of California, Merced)
- Collaborated with a team to design and implement a Python program controlling the Ryze Tello drone. The project successfully demonstrated full control over the drone's movements.

WORK EXPERIENCE

07/2021 - 08/2021

Sales Advisor, Office Depot - Santa Maria, CA
- Managed cash register, order pickups, restocking, and sanitizing; achieved a high customer rewards program penetration rate.

08/2021 - 10/2022

Freelancing - Online
- Developed bots and programs for retail arbitrage Discord groups, improving efficiency and experience for group owners and members.

02/2023 - Present

IT Security, University of California Merced - Merced, CA
- Managed cyber-security systems, executed playbooks for minor incidents, investigated alerts, and conducted network scans. Developed automation scripts, analyzed datasets, and managed small-scale projects. Created supportive documentation and demonstrated strong analytical skills.