

KOBEY PABELLAN

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Experience

Sweep Energy

Aug 2023 – Dec 2023

Software Engineering Intern

Merced, CA

- Collaborated with a team to develop a ChatGPT-integrated solution for effective management of internal PDFs.
- Contributions included collaborative teamwork, problem-solving, and implementation of innovative solutions.
- Showcased ability to address real-world business challenges through technological innovation.

University of California, Merced

Feb 2023 – Present

IT Security

Merced, CA

- Managed cyber-security systems, executed incident playbooks, investigated alerts, and conducted network scans.
- Developed automation scripts, analyzed datasets, and managed small-scale projects.
- Created supportive documentation and demonstrated strong analytical skills.

Freelancing

Aug 2021 – Oct 2021

Developer

Online

- Developed custom bots and programs for retail arbitrage Discord groups, enhancing efficiency and user experience.
- Automation tools streamlined group management, providing real-time data, and automating routine tasks.
- Improved efficiency for both group owners and members in retail arbitrage Discord groups.

Self-Employed

Aug 2020 – Present

Entrepreneur

Merced, CA

- Self-employed entrepreneur in retail arbitrage with a strong track record of revenue growth through strategic marketing and customer communication.
- Developed and implemented automation tools to enhance operational efficiency and maintain a competitive edge.
- Income generated significantly contributed to covering college expenses.

Projects

WebSocket Server | *Node.js, WebSockets*

- Teamed up to develop a Node.js WebSocket server facilitating communication between purchasing software and stock-tracking monitors.
- The server successfully alerted over 200 connected users of limited-item stock availability.
- Improved purchasing efficiency through real-time notifications.

Raspberry Pi Purchasing Software | *Node.js*

- 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 secured multiple Raspberry Pis within seconds of their availability.

PDF Information Chatbot | *Python, Javascript, Flask, Docker, HTML, CSS*

- Collaborated with a team to develop an AI-integrated solution to address internal PDF management challenges, enhancing document retention, and information organization.
- Developed and created a chatbot, implementing an algorithm to optimize token costs during API requests.
- Designed and implemented a user-friendly interface for the file upload process and communication with the chatbot.

Education

University of California, Merced

Aug 2020 – May 2024

Bachelor of Science in Computer Science and Engineering

Merced, CA

- GPA: 3.38
- Dean's Honor List Fall 2020; Chancellor's Honor List Spring 2021

Technical Skills

Languages: Python (Advanced), Javascript (Advanced), C/C++ (Advanced), HTML/CSS (Advanced), Go (Beginner)

Technologies/Frameworks: Node.js, Next.js, Tailwind CSS, Flask, Selenium, Linux, GitHub, Docker

Leadership/Extracurricular

Sigma Chi Fraternity

Spring 2023

Fundraising Chair

University of California, Merced

- Led successful fundraising campaigns, securing financial resources to support fraternity activities, demonstrating strong organizational and leadership skills.