

# KOBEY PABELLAN

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## Experience

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### Sweep Energy

Aug 2023 – Dec 2023

*Software Engineering Intern*

*Merced, CA*

- Led a collaborative effort to innovate a ChatGPT-integrated platform, optimizing the management of internal PDFs, resulting in a streamlined workflow and improved document accessibility.
- Spearheaded the design of an AI-driven solution that revolutionizes file analysis, extracting key insights to reduce manual review time dramatically.
- Demonstrated exceptional ability by deploying technological innovations to tackle pressing business challenges, enhancing operational efficiency and productivity.

### University of California, Merced

Feb 2023 – Present

*Student Technology Consultant - IT Security*

*Merced, CA*

- Executed cybersecurity playbooks for minor incidents, conducted in-depth investigations and network scans, enhancing system security by identifying and mitigating vulnerabilities.
- Developed automation scripts to optimize task efficiency and managed large cybersecurity datasets; showcased leadership in spearheading small projects, delivering results in independent and collaborative team settings.

### 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.
- Created automation tools to enhance operational efficiency and maintain a competitive edge.
- Generated over \$50,000 in revenue, supporting college expenses through entrepreneurial endeavors.

## Projects

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

- Engineered a Python and JavaScript-based AI chatbot that processes and extracts information from uploaded PDFs, allowing users to query and organize content for enhanced document management.
- Advanced the system with a cost-optimizing algorithm for API requests and crafted a highly intuitive interface, facilitating seamless file uploads and efficient user interactions.

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

- Developed a web application for a campus-wide philanthropy week focused on cancer research fundraising, showcasing competing organizations and enhancing visibility and participation.
- Used by 7 campus organizations, attracting over 500 active users who interacted with the platform to track progress, participate in events, and contribute to fundraising efforts.
- Generated over \$7,000 in donations for cancer research through an engaging platform that encouraged community involvement, demonstrating the impact of digital solutions on philanthropy.

### WebSocket Server | *Node.js, WebSockets*

- Engineered a Node.js WebSocket server that bridges purchasing software and stock-tracking monitors, enabling seamless communication.
- Integrated real-time alerts for over 200 users on limited-item stock, boosting purchasing efficiency and responsiveness.

## Education

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### 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

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

**Technologies/Frameworks:** Node.js, React, Next.js, Tailwind CSS, Flask, Selenium, Linux, Git, Docker

## Leadership/Extracurricular

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### Sigma Chi Fraternity

Apr 2023 – Dec 2023

*Fundraising Chair*

*University of California, Merced*

- Guided successful fundraising campaigns to secure financial resources for fraternity activities, showcasing strong organizational abilities and effective team coordination.