Sophia Sipayboun

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EDUCATION

Bachelors of Science in Software Engineering   Anticipated: May 2025

Western Governors University | Salt Lake City, UT

- Relevant Coursework: Java Fundamentals, Back-End Programming, Software Security and Testing

INFORMATION TECHNOLOGY COMPETENCIES

Systems: Windows PC, Mac OS X Server, Linux, IOS
Databases/Frameworks: MySQL, MongoDB, Flutter
Languages: HTML, Python, Java, Javascript

PROJECTS

Data Collection System for The Leo Project

- Enabled the Leo Project to monitor water distribution effectively, contributing to its mission of addressing critical challenges in Laikipia, Kenya
- Simulated data flow using Node-RED, simulating metrics like water level and pH value, and configuring data storage in MySQL for real-time data collection
- Developed a user-centric, real-time dashboard reflecting data from the database, with the option to include additional features and analytics

PROFESSIONAL EXPERIENCE

Jetzy - Technology/Software Developer Intern   **August 2022-May 2023**

- Spearheaded the development of an HTML-based visualization platform; revolutionizing the way the company analyzed user behavior within their app
- Leveraged expertise in Python Flask to extract and process user data from the SQL server, enabling more efficient and data-driven decision-making for the organization
- Innovatively employed a machine learning-based classification model to categorize a vast array of online articles into distinct categories, facilitating the enhancement of content recommendations and user experiences
- Pioneered a web scraping methodology to gather and classify articles based on keywords, streamlining the content categorization process and increasing the app's engagement metrics.
- Conducted impactful data mining activities across social media channels, amassing valuable insights into the organization's performance and activities

Charming Elephant - Web Developer   **October 2020 - May 2022**

- Standardized all output with a new, responsive, mobile-first approach and strategy
- Manufactured new ordering processes to allow for greater efficiency in customer service functions for employees and customers
- Handled all composition, color, illustration, typography, and branding for client projects. Turn in projects an average of 3% faster than targets. Raised UX scores by 20%