Sophearah Suy-Puth

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Education

McGill University - BSci in Computer Science and Psychology   Expected May 2024
Coursework: Databases, Software Design, Data Science, Intelligent Software Systems

Experience

Tableau (Salesforce) - Software Engineering Intern   June 2023 - Aug 2023
- Released *C++* feature exposing data source details to enhance data clarity in visualizations
- Utilized feature flags with *LaunchDarkly*, enabling testing and deployment with minimal disruption
- Collaborated alongside a PM and a UX designer in a cross-functional team to plan interface additions

Tableau (Salesforce) - Software Engineering Intern   May 2022 - Aug 2022
- Built interface mapping color palettes to data representations, extending visualization customizability
- Maintained *TypeScript* library and associated internal testing and development tool for rendering data visualizations by refactoring and writing fixes with *React*
- Strengthened testing infrastructure by building utility functions and end to end tests using *Jasmine*

IBM - Backend Software Developer (Security) Intern   Jan 2021 - Dec 2021
- Engineered a regression & performance test framework using *Python, PyTest, and Bash*, enabling efficient testing between different software versions
- Created a *Python* integration with a cybersecurity API, expanding security extension library
- Automated the integration result processing using *Python*, accelerating incident field update time

Prota Ventures - Software Development Intern   Aug 2020 - Dec 2020
- Contributed across portfolio of software products with *React, JavaScript, and Ruby on Rails*
- Implemented video dashboard for educational platform using data from a third-party API, simplifying the process of using client uploaded video content

Projects

Hack4Impact McGill X MADA Community Center's Meal Delivery Management Platform

Platform facilitating management of local free meal delivery service for elderly and disabled individuals. Built authentication system and admin-side web application for tracking and assigning meal deliveries.
React, Express, TypeScript, PostgreSQL, Docker, Amazon Web Services (AWS)

AI Modulated Competitive Debate Evidence Aggregator Tool

Tool to streamline the research process for competitive debate, encompassing source searching, evidence extraction, and document creation for debate rounds
React, Express, Jest, TypeScript, MongoDB, Docker, Google Cloud Platform (GCP)

Leadership

Hack4Impact McGill - President   May 2022 - Present
- Leading operations of university organization pairing students with non profits to develop socially impactful technical projects while gaining meaningful hands on experience
- Initiated and assembled 3-hour full-stack development course covering *React, Express, and TypeScript*

Skills

LANGUAGES	TypeScript, Python, Java, C++, C, C#, Ruby, Lua, SQL, HTML, CSS, Bash
TOOLS/FRAMEWORKS	React, Express, Ruby on Rails, MongoDB, PostgreSQL, Jupyter, Apache Kafka
CLOUD COMPUTING	Amazon Web Services (AWS), Google Cloud Platform (GCP), Docker