Sophearah Suy-Puth

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education

BSci in Computer Science @ **McGill University - CGPA: 3.35**   **Expected May 2023**

Relevant Coursework: Algorithms & Data Structures, Software Design, Software Systems, Computer Systems, Linear Algebra, Discrete Structures

experience

Backend Software Developer (Security) Intern @ **IBM**   **Jan 2021 - Present**

• Developed a regression & performance test framework, verifying data between security solutions for QA developers to more efficiently test between different versions of software

• Created an integration using a cybersecurity API service, yielding data from suspicious URLs to expand the community library of extensions for security products

• Authenticated a client-created security solution for IBM Security SOAR's community marketplace to verify community members will not be installing hazardous software

• Automated the processing of JSON results from integrations, significantly speeding up the updating of incident fields

Python, Bash, PyTest

Frontend Developer and Designer @ **Hack4Impact McGill X MU Montreal**   **Oct 2020 - Aug 2021**

• Worked with PM, developers, and nonprofit to design a mural tour app and associated site

• Provided frontend support through summer launch of project with multidisciplinary, remote team

• Created and presented design deliverables (wireframes, mockups, and interactable prototypes) to simulate the project's direction and to collect feedback

Javascript (ES6), React (Redux), Figma

Programmer & Designer @ **Ubisoft Game Lab Competition 2021**   **Jan 2021 - Apr 2021**

• Co-led 8 member team, taking responsibility for delegating/prioritizing tasks & leading meetings, resulting in more effective development

• Prototyped base gameplay and controls (propulsion, gravity, camera, projectiles, etc) to experiment with game design

• Developed concept fufiling project mandates, presented diagrams explaining design reasoning to team and game design mentors

Unity, C#, Photon Unity Networking

Software Development Apprentice @ **Prota Ventures**   **Aug 2020 - Dec 2020**

• Maintained and developed front-end and server-side architectures across two projects

• Implemented video dashboard for educational platform using data from a third-party API, simplifying the process of using client uploaded video content

• Manipulated multi-schema databases (with Apartment) and wrote rake task to seed data, resulting in an efficient redesign of the database

Javascript (ES6), Ruby, React (Redux), Ruby on Rails, RSpec

skills

LANGUAGES	JavaScript (ES6), Java, Python, C#, C, Lua, HTML/CSS, Ruby
TOOLS/FRAMEWORKS	React (Redux), Ruby on Rails, Git, Bash, Jest, RSpec, JUnit, Pytest
DESIGN	Photoshop, Illustrator, Figma