SHARON HO

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🛠 SKILLS & TOOLS

Programming	Java • C++ • JavaScript • Python • Kotlin • HTML/CSS
Libraries and Frameworks	Node.js • React • Flask • Ruby on Rails • OpenGL
Operating Systems	Windows • Linux • MacOS • Android
Tools	Git • GitHub • Jira • LaTeX • OpenSCAD • Construct 2
IDEs	Visual Studio • VSCode • IntelliJ • Eclipse • Android Studio
UI/UX	Adobe XD • Figma • Zeplin
Methodologies	Scrum • Agile • Kanban • Design Patterns • Refactoring
Languages	English • French • Cantonese • Mandarin

🎓 EDUCATION

Software Engineering – Bachelor of Engineering
JAN 2017 – DEC 2021

Concordia University, Montreal, QC
- **Scholarship:** Concordia University Memorial Endowment Entrance Scholarship
- **Extracurricular:** Otakuthon Technician Staff, Concordia Sustainability Ambassador
- **Volunteering:** MariHacks Mentor, ConUHacks II & IV Volunteer, People's Potato Volunteer
- **Hackathons Attended:** ConUHacks II / III / IV / V, YHack 2017, Hackatown 2018, McHacks V

Pure & Applied Sciences – DEC
SEP 2014 – DEC 2016

Marianopolis College, Montreal, QC
- **Scholarship:** Marianopolis Millennium Foundation Entrance Award
- **Distinction:** Dean's List (85%+ average for Fall 2014, Winter 2015, Fall 2015 semesters)
- **Extracurricular:** 3D Graphics Club, 3D Printing Club, The MariArt Club, Horror Club
- **Relevant Courses:** Computer Programming (Python), Topics in Advanced Mathematics (Discrete Mathematics, Graph Theory, Set Theory, RSA Encryption)

⋯ SOFTWARE PROJECTS

Pomodoro Web Blocker
JUN 2020 – PRESENT

Chrome Extension
- A Chrome extension that applies the pomodoro technique to promote time management and block distracting websites while working. This a personal hobby project built using JavaScript.

Switchboard
SEP 2020 – APR 2020

Undergraduate Capstone Project
https://github.com/bean-pod/switchboard   Final Grade Obtained: A+
- A web service that enables peer-to-peer video streaming between senders and receivers developed using Java Spring for the backend, React for the frontend and Python for the sample apps. This is project is done by a team of 9 students. Worked as a UI/UX designer and was part of the frontend team that also wrote over 500 frontend unit tests with over 96% coverage.

OpenGL Rubik's Cube
AUG 2020

C++ Application
https://github.com/sharon-ho/opengl-rubiks-cube
- An interactive Rubik's Cube with themed assets and background music developed using OpenGL/C++ and done as a team project for a course in computer graphics.

Concordia Campus Guide
Android Application
JAN 2020 – APR 2020

https://github.com/sharon-ho/campus-guide

- An Android application developed in **Kotlin** allowing users to explore and navigate around the Concordia University campus. This application was done as a team project consisting of 10 students. I worked as one of its developers and as the lead UI/UX designer.

AskEng
Web Application
JAN 2018 – APR 2018

https://ask-eng.xenonproduction.com/

- An engineering question and answer board that allows users to create an account that can view, ask, and answer questions. Developed using **React** for the frontend and **Python Flask** for the backend and done as a team project consisting of 8 students. I worked as one of its frontend developers.

ACADEMIC ASSOCIATIONS

Director of Academic
SCS Concordia at Concordia University
SEP 2017 – APR 2018

- Assisted VP Academic with various tasks and with co-hosting educational workshops by SCS Concordia (Software Engineering & Computer Science Society of Concordia).

Co-Director of Sponsorship
HackConcordia at Concordia University
MAY 2017 – MAR 2018

- Communicated and developed good relations with over 25 companies sponsoring Concordia University's hackathon (ConUHacks) such as the Government of Canada, Shopify, and IBM.

Director of Finance
HackConcordia at Concordia University
MAY 2017 – MAR 2018

- Managed internal finances, maintained a balanced budget, provided reimbursements, and coordinated with Concordia University's financial services.

WORK EXPERIENCE

Undergraduate Research Assistant
Concordia University, Montreal, QC
AUG 2019 – MAR 2020

- Topic: Equity, Diversity, and Inclusivity at the Intersection of STEM and Business Management in Canadian Higher Education
- Conducted literature review and interviews with research participants.
- Organized and analyzed research data using JASP.
- Assisted in the writing component of the preliminary final report.

Quality Assurance (QA) Intern
Diff (Shopify Partner), Montreal, QC
MAY 2018 – AUG 2018

- Worked with developers and product team to test new features of web products.
- Communicated what needed to be tested through bug reports and stand-ups by providing analysis and recommendations to project lead.
- Tested Shopify e-commerce websites.
- Worked in an agile based environment.

INTERESTS & HOBBIES

Badminton • Sociology • Ethics • Art History • Board Games • Video Games • Comic Books • Traveling