

SHARON HO

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SKILLS & TOOLS

Programming

Libraries and Frameworks

Operating Systems

Tools

IDEs

UI/UX

Methodologies

Languages

Java • C++ • JavaScript • Python • Kotlin • HTML/CSS

Node.js • React • Flask • Ruby on Rails • OpenGL

Windows • Linux • MacOS • Android

Git • GitHub • Jira • LaTeX • OpenSCAD • Construct 2

Visual Studio • VSCode • IntelliJ • Eclipse • Android Studio

Adobe XD • Figma • Zeplin

Scrum • Agile • Kanban • Design Patterns • Refactoring

English • French • Cantonese • Mandarin



EDUCATION

Software Engineering – Bachelor of Engineering

JAN 2017 – AUG 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 is 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 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

JAN 2020 – APR 2020

Android Application

<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

JAN 2018 – APR 2018

Web Application

<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

SEP 2017 – APR 2018

SCS Concordia at Concordia University

- 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

MAY 2017 – MAR 2018

HackConcordia at Concordia University

- 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

MAY 2017 – MAR 2018

HackConcordia at Concordia University

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



WORK EXPERIENCE

Undergraduate Research Assistant

AUG 2019 – MAR 2020

Concordia University, Montreal, QC

- 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

MAY 2018 – AUG 2018

Diff (Shopify Partner), Montreal, QC

- 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