Jonathan Hsu

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SUMMARY OF SKILLS AND QUALIFICATIONS

Operating Systems │ Windows • Android • Linux

Applications │ Visual Studio • Visual Studio Code • Eclipse • Photoshop CS6 • IntelliJ • GitHub • Microsoft Suite

Programming│ Java • Angular • React • JavaScript • TypeScript • Python • PHP • HTML • CSS • Git • C# • C++ • MySQL • OpenGL

Languages │ French│Spoken & Written • English│Spoken & Written • Chinese (Mandarin)│Spoken

Licenses & Certifications│ Valid driving permit

EDUCATION

Bachelor of Engineering – Software Engineering Co-op   **2017- 2021 (Expected)**

Concordia University, Montreal, QC

- Member of the Institute for Co-operative Education

DEC in Pure and Applied Sciences   **2017**

Marianopolis College, Westmount, QC

- Tutored for Digital Electronics (203-LCV-05)

PROJECTS

Discord Bot (Personal)   **2018**

- Programmed a bot for the freeware VoIP application Discord using the Discord API
- Programmed the bot to output a random image from a directory when a command is sent to the server
- Programmed a weather command using the weather-js module from the npm package manager
- Implemented using JavaScript (Node.js) and event driven programming
- Node.js, Discord API

Core Competencies: Problem Solving, Adaptability

Portfolio Website (Personal)   **2019**

- Designed a website using React to showcase experience and skills

Core Competencies: Web Design, Problem Solving, Responsive Design

Spaceship Simulator (Academic)   **2019**

- Created a spaceship simulator using OpenGL and C++ in a team of 6
- Implemented a skybox using texture files
- Implemented vertex/fragment shaders that run on a GPU in GLSL
- https://github.com/DPigeon/Area51

Core Competencies: Problem Solving, Time Management, Computer Graphics

SpaceX Launch Data Retriever (Personal)   **2019**

- Website that displays SpaceX Launch data using React, Express, Apollo and GraphQL

Core Competencies: Problem Solving, Adaptability, Web Development

WORK EXPERIENCE

Web Developer Intern   **Sept 2018 – Dec 2018**

Genetec, Montreal, QC

- Developed part of a web tool as a full-stack web developer
- Created UI elements and implemented front end logic using Angular and TypeScript
- Developed back end modules in a CQRS architecture pattern in C#

Cashier/Customer Service   **Sept 2016 – Sept 2018**

Photo St-Denis, Montreal, QC

- Sent emails to customers to ensure customer satisfaction
- Sent customer orders using the file transfer service WeTransfer
- Processed 35mm films by using the Noritsu QSS-2901 and Noritsu QSF-V50 machines

VOLUNTEER | EXPERIENCES

ConUHacks IV – Hackathon Participant   **2019**

Concordia University, Montreal, QC

uOttaHack II – Hackathon Participant   **2019**

University of Ottawa, Ottawa, ON

INTERESTS

Piano, Guitar, Jazz, Gaming, Learning