Jonathan Hsu

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EDUCATION

Bachelor of Engineering – Software Engineering Co-op   **2017- 2021**
Concordia University, Montreal, QC
- Member of the Institute for Co-operative Education
- Relevant Courses: Data structures and algorithms, OOP, Web, Operating systems, Software Architecture

WORK EXPERIENCE

WEB DEVELOPER INTERN   **SEPTEMBER 2018 – DECEMBER 2018**
Genetec, Montreal, QC
- Implemented parts of a web tool that tracked parts in manufacturing for LPR cameras as a full-stack developer
- Built front-end pages and implemented front-end logic using Angular and TypeScript
- Developed back end modules and unit tests using a CQRS architecture pattern in C#

VOLUNTEER | EXPERIENCES

Marianopolis College – Private Tutor for Digital Electronics	**APRIL 2018**
ConUHacks IV – Hackathon Participant	**JANUARY 2019**
uOttaHack II – Hackathon Participant	**FEBRUARY 2019**
ConUHacks V - Winner of Telus: Technology for Mental Health Well-Being Challenge	**JANUARY 2020**

PROJECTS

E-commerce Clothing Website (Personal)
- Built a fully featured e-commerce website using React, Redux and Firebase
- Implemented payment solution using Stripe
- Project deployed at https://crwnclo-live.herokuapp.com/

Cover Letter Automator (Personal)
- Built an application to reduce redundant copy pasting in cover letters using Python and Tkinter

SpaceX Launch Data Retriever (Personal)
- Web application that displays SpaceX launch data using React, Express, Apollo, GraphQL and the SpaceX API

Area 51 (Academic)
- Created a spaceship simulator using OpenGL and C++ in a team of 6 where strong communication was an asset

Discord Bot (Personal)
- Built a bot for Discord that could give the weather and deliver images using the Discord API with node.js

TECHNICAL TRAINING & INTERESTS

Programming Languages: Java, JavaScript (React.js, Node.js), TypeScript, Python, C#, HTML/CSS, MySQL
Tools and Technologies: Angular, Git, Spring, Visual Studio, IntelliJ, Adobe Photoshop CS6
Interests: Guitar, piano, power lifting, gaming