

EDUCATION

University of Waterloo

Expected Dec 2023

BCS Candidate - Honours Computer Science Co-op

GPA: 3.9/4.0

Relevant Coursework

Object-Oriented Software Development • Data Structures and Data Management • Algorithms • Operating Systems

WORK EXPERIENCE

CertiK | New York, NY

May 2022 - Aug 2022

Software Developer Intern

- Used **JavaScript** to implement interactive chart with TradingView widget software to present price and relevant key metrics which increased weekly page visits in company's **Next** website by **37%**
- Deployed API endpoints on **Serverless** to retrieve real-time price data from **Snowflake** warehouse using **Ably** and historical price data from **AWS DynamoDB** table with **~500ms** latency for new price chart
- Developed periodic **Node** job to scan through **3000+** client crypto projects and detect any changes in contract addresses or additional key public notices

Accedo.tv | Toronto, ON

Sep 2021 - Dec 2021

Connected TV Developer Intern

- Coordinated with SiriusXM client to specify functionalities for new radio streaming application offering over **350 full-time channels** to over **20 million users**
- Migrated existing services from SiriusXM FireTV application to new **React** application with Accedo's XDK4 software and set up **Redux store** for implementation of live audio and video players, user settings and content data fetching
- Implemented **Adobe Heartbeat** and **Adobe Omniture** in new Samsung TV application for CNBC client to track video session events and page view events for better insights on users' engagement

Honeybee Hub Inc. | Toronto, ON

Jan 2021 - Apr 2021

Full-Stack Developer Intern

- Developed referral system that increased participating studies' user engagement by **400%** over span of one month on company's **MERN** stack web application using **TypeScript**
- Led **agile** web development team in implementation of participants' **profile data collection system** to provide more precise study recommendations and personalized user experience
- Optimized search engine through integration of **MongoDB Atlas Search** aggregation pipeline which increased accuracy of search results by **over 60%**

PROJECTS

MapChat

- Developed **JavaScript** location-based messaging app with **MongoDB** collection, **Express** server, **React** and **Node**
- Allowed users to create public chatrooms on map rendered with **Google Maps API** and to message each other in real time thanks to **Socket.IO**

Python Chess Program

- Created classic chess game with dynamic animations and complete move log using **Pygame** module
- Incorporated option to play against AI which uses minmax algorithm to determine optimal moves

SKILLS

Languages: Javascript • Typescript • HTML5 • CSS3 • Python • C • C++ • SQL • R • Bash

Technologies/Frameworks: React • Express • Node • Next • Redux • Snowflake • DynamoDB • MongoDB • MySQL • Git