

Education

Montreal, QC

Concordia University

Sep. 2019 – Jan. 2024 (Expected)

- Bachelors in Computer Science.
- GPA: 4.10/4.30.
- Relevant Courses: Object-Oriented Programming I & II; Operating Systems; Advanced Program Design with C++; Data Structures and Algorithms; Databases; Web Programming

Experience

Software Engineer, Intern

Autodesk

Jan. 2022 - Sep. 2022

Forge Data Team

- Developed a mock GraphQL server to allow customers to test the GraphQL API without authentication
- Serialized a tree data structure to JSON with the use of Polymorphism
- Devised a script to convert GraphQL schema to documentation files
- Conceptualized and implemented a React app to visualize a graph data structure and query results
- **Technologies: TypeScript, JavaScript, React, GraphQL**

Software Engineer, Intern

SAP

May 2021 - Sep. 2021

Marketing Cloud Team

- Tested the front-end application of the Marketing Cloud application
- Wrote OPA5 automated tests for the SAPUI5 Marketing Cloud application
- Contributed to increasing code coverage and reducing bugs
- **Technologies: JavaScript, SAPUI5, OPA5, ABAP**

Software Developer, Intern

OrangeAd

Jun. 2020 - Dec. 2020

OrangeAd Media Team

- Developed a drag and drop interface for creating individual slides as well as slideshow presentations
- Built a slideshow player to display the presentations with transition, image and video support
- Wrote Elasticsearch queries to aggregate data collected from sensors of digital displays
- Implemented an AWS Lambda functions to resize images into multiple dimensions
- **Technologies: VueJS, JavaScript, Postman, AWS, NodeJS and GraphQL**

Projects

Personal Website

GitHub | Website

- **Technologies: NextJS, Typescript, Tailwind, Material UI**

Cringe Bot

GitHub

- Discord Bot used in my Discord Server
- Collaborative project with friends to make the Discord server more fun
- Various features such as translating Chinese to English, Weather, Leetcode stats and more
- Hosted on an AWS EC2 Instance to have it running at all time
- **Technologies: Typescript, AWS EC2, Postgres, Discord.js, DeepL**

RSA Encrypted Chat App

GitHub

- Implemented RSA encryption using Modular Arithmetic and Number Theory
- Real time chat application made for Android where messages are end to end encrypted
- Used Firebase as a backend for real time communication
- **Technologies: Java, Android, Firebase**

Skills and Qualifications

Programming

Frontend: HTML • CSS • React • Vue • NextJS • Android Studio • Tailwind • Material UI • Flutter
Backend: NodeJS • Express • Spring Boot • GraphQL • Postgres • MongoDB • AWS Lambda • AWS EC2
Languages: JavaScript • TypeScript • Java • C++ • Python

Operating Systems

Windows • MacOS • Mobile (Android & iOS)