

## ☰ SUMMARY

Languages	Python, TypeScript/JavaScript, Java, C, Objective-C, SQL/NoSQL, Assembly, VHDL
Tools & Technologies	Docker, Kubernetes, NodeJS, React/React Native, Android Studio/Xcode, AWS, Websockets, Git
Education	Toronto Metropolitan University, BEng. Software Engineering, 2023, GPA : 3.98

## 📁 EXPERIENCE

### Amazon – Software Development Engineer Intern

MAY 2022 – AUG 2022

- › Developed on Cradle; an internal big data transform tool processing 1.20MM jobs/week
- › Implemented Angular.js to React migration for Cradle, improving front-end load times by 1134%
- › Architected and designed data previewing function for Cradle, reducing unnecessary AWS EC2 & S3 resources
- › Maintained Cradle's backend architecture by fixing versionset mismatches and pipeline build issues

Java React TypeScript Angular.js

### IBM – Software Engineer Intern

MAY 2020 – APR 2022

- › Developed a z/OS mainframe debugger used by 300+ engineers in the GTS organization
- › Supervised a team of 5 interns through pair programming, 1:1s, code reviews, and technical lessons
- › Engineered a database monitoring bot to re-route misplaced support tickets, increasing NPS scores by 30%
- › Deployed 3 applications through cross-functional teams using CI/CD pipelines

NodeJS Python Docker Kubernetes Machine Code

### LunaID – Mobile Application Developer

JAN 2021 – AUG 2021

- › Developed Android and iOS apps to detect insects and recommend pesticides for agricultural farmers
- › Constructed a data pipeline to annotate large image datasets for object classification training
- › Designed web application to re-pipe user submitted images back for further CV training, increasing model accuracy by 22%
- › Compiled and deployed mobile app to the Apple App Store and Google Play Store for enterprise use

React Native Firebase Computer Vision Python

## 📄 PROJECTS

### Youtube Video Synchronizer

🌐 Website

- › Developed a full-stack web application to watch YouTube videos with others synchronously
- › Synchronized concurrent user activity using websockets, serving 5800+ unique monthly visitors from 32+ countries

Websockets JavaScript NodeJS CSS

### Password Manager

🔒 Github Repo

- › Created a Python password Manager CLI to securely store and retrieve passwords
- › Ensured security using the bcrypt hashing algorithm and encrypted all data using the AES-128 algorithm
- › Implemented password salting and peppering for security against brute force and rainbow table attacks

Python Encryption Hashing

### Automated Classifieds Bot

🔒 Github Repo

- › Created a Python bot to identify high-margin classified listings and notify users via email
- › Automated and deployed bot using an AWS EC2 instance, handling email notifications with smtp protocol

Python AWS Web scraping

### AnonBoard - 4th at IBM Hackathon

📺 YouTube

- › Developed an online job board that aims to remove racial bias in the hiring process
- › Utilized computer vision and natural language processing to censor discriminable personal information on a resume

Python NodeJS Computer Vision NLP