

SKILLS



- careful and detail-oriented approach ensures consistent quality and well-structured code
- very fast learner with strong problem-solving skills
- **languages:** Python, TypeScript, C++, C, Swift (iOS), Kotlin (Android), Bash, SQL, GraphQL
- **tools:** Node.js, Express.js, React, Docker, MongoDB, Apache Airflow, Figma

WORK EXPERIENCE

Apr
2021

FairVentures Lab – Solutions Developer

Kitchener, ON (remote)

- delivered open-source AI assistants with a focus on making projects developer-friendly, such as by using Docker environment variables to configure dependency injection
- rewrote a collation algorithm to eliminate almost all false positives when extracting insurance claims from scanned loss run documents
- combined image object detection with word2vec to measure the semantic similarity between an image and arbitrary keywords  
- designed and deployed an Airflow workflow to run nightly integration tests on an email bot

Jan
2021

Aug
2020

Wish – Software Engineer Intern

Toronto, ON (remote)

- developed a new GraphQL API for merchants to manage marketing campaigns, and integrated them with a React frontend
- implemented an A/B test for quality-of-life improvements, wrote efficient data aggregation scripts to measure a 7.5% increase in product uploads by affected merchants
- prototyped a custom Pylint checker to predict field projections for PyMongo queries, which would reduce latency and network traffic

May
2020

Aug
2019

Osellus – Mobile Software Developer

Toronto, ON

- developed new iOS and Android features for a flagship microlearning platform
- reduced client-side processing time by 80% by caching data and improving code efficiency
- nominated for Co-op Student of the Year for extensive commitment to improving app performance, including independent research on efficient data representation in Swift



May
2019

COMMUNITY

present

Loo Labs – Lead Backend Developer (Founding Member)

Waterloo, ON (remote)

- collaborated in a tight-knit team on the ideation, prototyping, and user testing of *Waterpark*, an app that helps UWaterloo students discover clubs and events  
- leading a team of 3 to deliver the *Waterpark* API, with an emphasis on good development practices – researching tools, writing high-quality code, testing, and documenting
- creating a fully-typed framework based on Express.js and Domain-Driven Design

Sep
2020

EDUCATION

present

University of Waterloo – Honours Computer Science

Waterloo, ON

Candidate, Bachelor of Computer Science, Statistics Minor (2023)

- 95.28% cumulative average
- CS 241: won the course challenge to implement the most optimal compiler

Sep
2018