

Danial Mohazab

+1 (226) 339-6147 | dmohazab@uwaterloo.ca | [dmohazab.github.io](https://github.com/dmohazab) | [dmohazab](https://www.linkedin.com/in/dmohazab) | [dmohazab](https://www.linkedin.com/in/dmohazab)

Languages

- Python
- Java
- Ruby
- C++
- C
- SQL
- TypeScript
- Bash
- HTML/CSS

Tools/Frameworks

- Rails
- GraphQL
- Flask
- Redis
- RSpec
- Docker
- Pandas
- Kubernetes
- TensorFlow
- Spring
- Git
- Selenium

Education

University of Waterloo

Candidate for B. ASc. 2017 - 2022

Mechatronics Engineering

Relevant Coursework

- Data Structures & Algorithms
- RTOS & Computer Structures
- Microprocessors & Digital Logic
- Digital Computation
- Human-Computer Systems

Activities

- Basketball
- Provincial Soccer
- Video Editing
- Chess

Work Experience

Apple Inc.

Cupertino, California

Siri Understanding Product Manager

May. 2021 - Aug. 2021

- Drove development of a new pronunciation feature from ideation by conducting initial user research and defining product requirements
- Streamlined and resourced privacy requests and data collection to rapidly train feature ML models from 48% to 89% accuracy
- Achieved quarterly project goals by facilitating cross collaboration between Design, SWE and Product across 3 time zones
- Led product reviews with Siri leadership for visibility and sign-off

Shopify

Waterloo, Ontario

Backend Development Intern

Jan. 2021 - Apr. 2021

- Refactored the Shopify Fulfillment Network (SFN) back-end order flow to support fulfillment on subscription and Facebook orders
- Enhanced order cancellation by using carrier APIs to identify cancellable order state, eliminating 200+ support tickets per week
- Redesigned order validation to allow orders with no address to be ingested and held rather than declined to improve order retention

Shopify Plus

Waterloo, Ontario

Backend Development Intern

May 2020 - Aug. 2020

- Implemented a feature enabling 5000+ enterprise users to copy all client-facing UI across stores using Ruby on Rails and GraphQL
- Developed a job API throttle using the leaky bucket algorithm and Redis to avoid rate limiting errors when transferring data

HelloFresh Canada

Toronto, Ontario

Software Development Intern

Sept. 2019 - Dec. 2019

- Developed a back-end application in Python and Pandas to serve distribution data for package delivery, saving 30+ hours/week
- Created a REST/GraphQL hybrid API data pipeline using Flask to serve as a centralized gateway for a main MySQL database

OANDA Corporation

Toronto, Ontario

Software Development Intern

Jan. 2019 - Apr. 2019

- Developed a RESTful microservice in Java using Spring that serves OANDA platforms with Dow Jones news articles in real-time
- Refactored exchange rate visual chart endpoint to reduce stock rate data load time on trading platforms by 32%

Home Trust Company

Toronto, Ontario

Software Development Intern

Apr. 2018 - Aug. 2018

- Created an ML model using TensorFlow in Python that predicts mortgage funding likelihood at 97% accuracy for loan filtering

Projects

- Created an RTOS in C with an FPP scheduling algorithm
- Developed a guitar playing robot in C++ using Lego EV3 and NXT