

Danial Mohazab

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EDUCATION

University of Waterloo

Waterloo, ON

Candidate for Bachelor of Applied Science in Mechatronics Engineering

Sept. 2017 – May 2022

Courses: Data Structures & Algorithms, RTOS & Computer Structures, Microprocessors & Digital Logic

TECHNICAL SKILLS

Languages: Python, Ruby, Java, C++, C, SQL, TypeScript, Bash, HTML/CSS

Tools and Frameworks: Rails, GraphQL, Git, Flask, Redis, RSpec, Docker, Pandas, Kubernetes, Spring, Selenium

EXPERIENCE

Siri Product Management Intern

May 2021 – Aug. 2021

Apple Inc.

Cupertino, CA

- Drove development of a new pronunciation feature from ideation by conducting initial user research, defining product requirements, and leading product reviews with the Siri leadership team
- Conducted data collection and resourced data labelling to train feature ML models from 48% to 89% accuracy
- Developed high-level technical architecture to facilitate team dependency resourcing to achieve quarterly goals

Backend Development Intern

Jan. 2021 – Apr. 2021

Shopify

Waterloo, ON

- Enhanced order cancellation by using external fulfillment courier APIs to identify granular cancellable order state, eliminating 200+ support tickets per week and providing merchants more time to cancel orders
- Redesigned order validation to allow orders submitted with no address to be ingested and held for merchant action rather than declined to improve order retention
- Refactored the Shopify Fulfillment Network back-end order flow to support fulfillment on subscription orders

Backend Development Intern

May 2020 – Aug. 2020

Shopify Plus

Waterloo, ON

- Implemented a feature enabling 5000+ enterprise users to copy all client-facing UI themes across store locales using Ruby on Rails and GraphQL
- Developed an API request throttle using the leaky bucket algorithm by storing rate limit consumption in Redis and constraining capacity to 60%, avoiding rate limiting errors when transferring data
- Wrote Unit tests in RSpec and Ruby to improve code coverage by 28% on Shopify Plus's new store creation flow

Software Development Intern

Sept. 2019 – Dec. 2019

HelloFresh Canada

Toronto, ON

- Developed a back-end application in Python and Pandas to process and serve distribution data required for package delivery, saving 30+ hours/week and affecting all Canadian consumers
- Created a REST/GraphQL hybrid API data pipeline using Flask to serve as a centralized gateway for a main MySQL database and avoid multiple application direct database access
- Led team DevOps process by dockerizing and deploying apps to GitLab CI/CD pipelines using Kubernetes

Software Development Intern

Jan. 2019 – Apr. 2019

OANDA Corp.

Toronto, ON

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

Software Development Intern

Apr. 2018 – Aug. 2018

HomeTrust Company

Toronto, ON

- Created an ML model using TensorFlow to predict mortgage funding likelihood at 97% accuracy for loan filtering

PROJECTS

- Created an RTOS in C with an FPP scheduling algorithm, priority inheritance, and owner test on release [↗](#)
- Developed a guitar playing robot in C++ using Lego EV3, including calibration after song termination [↗](#)