



20882249 (4A CS)



Waterloo, ON

+1 226 759 5829

huhenry50@gmail.com



Website

Github

LinkedIn

SUMMARY

- Entry level developer optimistic to grow in the CS and software development industry
- Full-stack work experience, including REST and GraphQL, creating user-facing features/products served through cloud computing
- Quick learner, proven technical agility and eager to improve and learn new skills through challenging work problems
- Prioritizing diligence and honesty, determined to produce results, fulfill all requirements and take responsibility

TECHNICAL SKILLS

Languages: Python / Java / C/C++ / GitBash / TypeScript / JavaScript / Kotlin / Ruby / TeX

Database: PostgreSQL / DB2 / MySQL

CI/CD: K8s / EKS / GitLab / Jenkins

WORK EXPERIENCE

9/2023 – 12/2023
Co-op/intern

Software Developer

Infor Global Solutions / Remote

- Deployed **cloud microservices** and optimized integration tests to reduce pipeline time by **1 hour** as part of the Platform and Dev Ops team using GitLab runners with EKS and helm charts
 - Migrated dev environment into CI/CD workflow with GitLab pipeline YAMLS, bash scripts and GitLab pages
 - Refactored product localization process into automated tool using AWS Translate for over **20** languages with Docker, K8s, allowing merge request-like reviews, in-line translation edits and XML migration generation
- Java / Bash / Python / Dev Ops / Docker / GitLab CI/CD

1/2023 – 4/2023
Co-op/intern

Full Stack Developer

Wonolo Inc. / Remote

- Developed features for Nomad-using Rails app serving the temporary staffing industry
 - Led development for web portal functionality using React, working with Product and Design to improve user experience and introduce over **10** custom components interacting with GraphQL endpoints
 - Implemented **backend** of customer scheduled reports with **2** tables, **8** GraphQL endpoints and **1** CRON job
- Ruby on Rails / React / PostgreSQL / GraphQL / Sidekiq

5/2022 – 8/2022
9/2021 – 12/2021
Co-op/Intern

Software Engineer

PointClickCare / Remote

- Facilitated pharmacy and practitioner communication with a web app to organize prescriptions
 - Coded **integration tests** using Cypress' test suites, as well as maintaining unit test code coverage **>90%**
 - Worked on a web imbedded messaging app implemented into the core LTPAC, SaaS product
 - Used **RESTful web MVCs**, structuring endpoint data, adding controller logic with views serving React pages
- Spring Boot / React Redux / SQL + SSMS / JUnit / Jest / Cypress

RELEVANT PROJECTS

Summer 2023

Image Classification Django App

Research

- Created Django app to train image recognition neural networks on user-provided labelled images which are further used to classify new images with TensorFlow and HuggingFace Python libraries
 - Dockerized backend with Docker Compose, including containers for app, task scheduler and message queue
 - Hosted production level backend using AWS EC2, S3 and RDS
- Django / Celery / RabbitMQ / React / Docker Compose / EC2 / S3 / RDS

Ongoing

Personal Website and Portfolio

Personal

- Maintaining a Next.js app, with the main page at a Real Experience Score of **93** and performance score of **98**
- Typescript / React / Node.js / Next.js / ChakraUI

Spring 2021

CTOR

Academic

- Implemented command line Catan with ASCII graphics for an OOD course, receiving a perfect final mark
 - Collaborated with group in stressing best practices in OOP, software design to take pride in the project
 - Added above-and-beyond features in longest path algorithm and "card" decks, receiving bonus marks
- C++ / UML

EDUCATION

9/2020 – 4/2025

Candidate for Bachelor's of Computer Science

University of Waterloo

- Computer Science, Honours Co-op, software engineering specialization
- 3.96 GPA
- Relevant courses: Object Oriented Design / Data Structures / OS / Algorithms
- *University of Waterloo President's Scholarship, Fall 2020*

RESEARCH

Undergraduate Research Assistantship - Dr. Justin Wan / Deep Learning and Classification

Classification / Feature extraction / TensorFlow / NumPy / Pandas / Hugging Face