

Jordan Chow



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SKILLS

Languages

Python, C#, JavaScript, TypeScript,
HTML, CSS, SQL

Frameworks

Flask, Django, ASP.NET Core,
React, Redux, Angular, Express

Technologies/Tools

GCP, Azure, Docker, MongoDB, MySQL,
PostgreSQL, SQL Server, Git, Protobuf

EXPERIENCE

Canvass AI, Toronto, ON — Full Stack Developer

Jan 2023—Apr 2023

- Acted as feature owner to deliver an end-to-end, ML analytics dashboard with **FastAPI**, **React**, and **Kubernetes**
- Delivered data visualization tools serving over 10,000 data points using **TypeScript**, **Chakra UI**, and **RTK Query**
- Designed a new algorithm for data fetching and state management with **Redux**, reducing latency by 15%

Talka.ai, Toronto, ON — Software Developer

May 2022—Nov 2022

- Pioneered a new backend microservice with **Flask** and **MongoDB**, equipped with automated testing via **GitHub Workflows** to display customer pain points detected from an automatic speech recognition pipeline
- Delivered end-to-end features to support user defined pain points in **React**, **Flask**, and **MySQL**, supplying data to machine learning models to improve pain point detection accuracy
- Implemented cursor based pagination in **React**, optimizing search result load times by 90%
- Decoupled microservices using **Google Pub/Sub** and **protobufs** to eliminate unnecessary resource sharing

Quest Software, Woodbridge, ON — Backend Developer

Sep 2021—Dec 2021

- Improved migration coverage with a distributed backend service to transfer metadata with **.NET Core**
- Refactored post-migration processes to increase **Azure Function** efficiency by 25% in a CI/CD pipeline
- Developed a pre-processing handler in **C#** to intercept requests and display analytics for terabytes of data

PEER Group, Kitchener, ON — Full Stack Developer

Jan 2021—Apr 2021

- Built a configurable console application to automate file transferring with **.NET Core**, **Selenium WebDriver**, **LiteDB**, and **CrushFTP**, increasing workflow efficiency by 50%
- Streamlined the internal absence booking process by 20% with a dynamic calendar built in **Angular**, **ASP.NET Core**, and **SQL Server**

PROJECTS

Autonomous Claw Machine, University of Waterloo

Dec 2019

- Designed and built a mechanical claw machine, using 3D printed parts developed in **SolidWorks**
- Programmed automatic object retrieval in **Robot C**, using colour and touch sensor input and a proximity start up

Healthy Bridge, Hack the North (API Prize Winner)

Sep 2018

- Developed a web app with **Python**, **Clarifai API** image recognition, and **Facebook Graph API Explorer** to scan Facebook profiles and detect early signs of mental health concerns

EDUCATION

University of Waterloo, Mechatronics Engineering (BASc), Honours, Co-op

Sep 2019—Apr 2024

- Cumulative GPA: 3.9, President's Scholarship of Distinction, President's International Experience Award