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Daniel Shoichet

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EDUCATION

Honors Bachelor of Science in Computer Science, *University of Toronto*
Computer Science Specialist; 3.75 cGPA

Sept 2019 — Apr 2023
Toronto, Canada

- **Awards:** Dean's List of Academic Excellence (2020 - 2022)

WORK EXPERIENCE

Tesla
Software Engineer Intern (Incoming)

Sept 2022 — Dec 2022
Fremont, California

- On the engineering automation systems team.

Wealthsimple
Software Engineer Intern

May 2022 — Aug 2022
Toronto, Canada

- Architected and implemented a code-as-compliance repository for access management to personally identifiable information (PII) in the data warehouse for Wealthsimple's SOC 2 compliance certification using **Satori**, **Terraform**, and **Github Actions**.
- Built a data-access request system for access of PII in the data warehouse. The system integrates with the Wealthsimple **Jira Service Board** and consults data domain experts via **Slack** for access approval using **Python** and a **Flask** backend.
- Set up **Datadog** log and queue reporting for **Celery** workers in the managed machine learning system at Wealthsimple.

Bookmark | AI Powered Website Builder
Machine Learning Engineer Intern

May 2021 — Aug 2021
Toronto, Canada

- Automated the training and integration/unit testing of 10 sequentially trained machine learning models in **Python** using **Apache Airflow** to save data-scientists 20 hours/month of manually training models.
- Rebuilt a horizontally scalable data pipeline using **AWS Batch**, **SQS**, **S3**, **ECR**, **Apache Airflow**, and **Apache Spark** to reduce data export time by 30% and improve data reliability and error tolerance.
- Improved model engineering to reduce bugs, allow for more reusable code, and increase the rate of model development.

Magellan Aerospace Limited
Summer Web Developer

May 2020 — Aug 2020
Winnipeg, Canada

- Migrated **PHP** websites to **ASP.NET (C#)** websites to improve performance and security with a strong object oriented design.
- Developed an internal chemical registry system that stores and tracks QA information of over 1000 chemicals over the past 20 years to replace an outdated PHP implementation with many critical bugs.
- Updated websites expected to reach over 500 employees at the company.

SELECTED PROJECTS

Crypto Trader [code]

Jan 2022

- Developed a personal cryptocurrency trading program using the [binance-connector](#) python package.
- Researched a number of different potential trading algorithms and tested them using internal evaluation tools.

LocAlley Community Board
Backend Engineer

Sept 2021 — Dec 2021
[Published Product]

- Developed a small-business centred community forum for a [Toronto startup](#) with peers as part of Software Engineering course.
- Built in **Python** using **Fast.API**, **PostgreSQL**, and **Firebase**, and deployed publicly to **Heroku** in a **Docker** container.

SKILLS & INTERESTS

Programming Languages	Python, Java, Terraform, SQL, C#, C, R, Racket, Haskell, Javascript, HTML/CSS
Cloud Computing	AWS {S3, EC2, Lambda, Batch, ECR, SQS, RDS, CodeBuild, CloudWatch}, Heroku
Tools/Technologies	Git, Apache Airflow, Docker, Celery, Datadog, MySQL, PostgreSQL, Linux/Unix, React, ETX
Interests	Chess, Swimming, Reading, Podcasts, Weightlifting, Gardening

ACTIVITIES

Hack the North – Canada's largest hackathon
LearnAI participant

Jan 2021

Computer Science Student Union - First Year Mentor

Oct 2020 — Apr 2021

UofT Artificial Intelligence Group - General Executive

Sept 2020 — Current

MedHacks – Healthcare focused hackathon

Sept 2020 — Current

Sept 2020