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Daniel Shoichet

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EDUCATION

Honors Bachelor of Science in Computer Science, *University of Toronto*
Computer Science Specialist, Statistics Minor

Sept 2019 — Apr 2023
Toronto, Canada

- **Awards:** Dean's List of Academic Excellence (2019 - 2021)

WORK EXPERIENCE

Wealthsimple

Software Engineer Intern (Incoming)

May 2022 — Aug 2022
Toronto, Canada

- On the data engineering team.

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registry system that stores and tracks QA information of over 1000 chemicals over the past 20 years to replace an outdated PHP implementation with many critical bugs.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.

HBSkincare

Web Developer

June 2020 — Sept 2020
Winnipeg, Canada

- Developed a scalable inventory management system comprised of intuitive front-end and an efficient backend using **ASP.NET**.
- System allows admin to purchase inventory, create new materials, consume resources, and view purchase history. Work led to an 80% reduction in database query time.

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, SQL, C#, C, Javascript, HTML/CSS
Cloud Computing	AWS {S3, EC2, Lambda, Batch, ECR, SQS, RDS, CodeBuild, CloudWatch}, Heroku
Tools/Technologies	Git, Apache Airflow, Docker, MySQL, PostgreSQL, Linux/Unix, React, \LaTeX
Interests	Chess, Swimming, Reading, Podcasts, Weightlifting, Gardening

ACTIVITIES

Hack the North – Canada's largest hackathon

Jan 2021

LearnAI participant

Oct 2020 — Apr 2021

Computer Science Student Union - First Year Mentor

Sept 2020 — Current

UofT Artificial Intelligence Group - General Executive

Sept 2020 — Current

MedHacks – Healthcare focused hackathon

Sept 2020