

Scotty Andrade

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Education

The University of Western Ontario

Graduating May 2022

3.9/4.0 GPA / Dual Degree

Bachelor of Arts, Honors Business Administration (HBA) / Ivey Business School

Bachelor of Engineering Science (BESc), Software Engineering

- RBC Scholarship in Software Engineering (2020) and Continuing Admission Scholarship (2017 – 2021)

Work Experience

Data Science Analyst

Summer 2020

Birch Hill Equity Partners, Toronto, ON

- Designed a TQM playbook for the Looker BI tool through interviewing end-users and creating novel dashboards to track KPIs; implemented by the data science teams at five portfolio companies and led to a 40% increase in usage of the platform by executives.
- Developed an analytical pipeline using Google Cloud Platform to create and send alert Looker reports to 40 members of a sales team as part of a COVID adaptation plan; resulted in 63 suspended contracts being renegotiated.
- Conducted a market analysis by generating a table of leads using business and CRM datasets and making an interactive map to visualize their locations; presented the analysis to the VP of Corporate Strategy which was used to select optimal routes for testing new sales processes.

AI Engineer

Summer 2019

RBC Capital Markets, Toronto, ON

- Learned complex AI theories through peer-to-peer knowledge sharing and online research; led to quick acquisition of the concepts essential to the fast-moving team developing Aiden, a machine learning trading algorithm.
- Implemented Percent of Volume into the algorithm by talking with traders and engineers to understand the requirements, developing a hypothesis, and successfully taking it through the software development process; improved Aiden's ability to factor in market impact when making decisions.
- Analyzed opportunities for increased efficiency within the Aiden code and made changes based on object-oriented programming principles; resulted in the code becoming streamlined and 125% more efficient based on runtime.

Camp Counsellor

Summer 2017 & 2018

Onondaga Camp, Minden, ON

- Planned an all-camp game by brainstorming new activities and organizing a team of 100 staff; provided an engaging and fun experience for 300 campers that was formally recognized by the directors.
- Supervised eight campers on an overnight canoe trip which required decisive decision making to handle unexpected events and mentorship for inexperienced kids; resulted in a successful trip with all participants sharing positive feedback.

Projects

Computer Vision Project, Project Manager, Western AI

October 2019 – March 2020

- Led a team of 6 students on a computer vision project by setting a software design strategy, teaching key machine learning concepts, and driving the development process.
- Created a model using Keras and OpenCV that can dynamically recognize sign language hand signals with 92.15% accuracy.

SHMUP Game, Software Developer

January 2019 – April 2019

- Designed a Space Shooter game in Unity using C# through testing features with peers and making iterations based on feedback.

Extra-Curricular Activities

Community Consulting Project, Ivey Business School, HBA2 Mentor

July 2020 – Present

- Selected to lead a team of Ivey students through a six-week pro-bono consulting engagement with a local non-profit business.

Sunstang Solar Car Project, Western University, Business Team

September 2017 – March 2019

- Secured \$4,500 in sponsorship through identifying the key needs of businesses and establishing professional relationships.

Technical Skills: C++, Python, Java, SQL, Looker, C#, Git, HTML/CSS, Microsoft Excel

Interests: Reading, Cooking, Hockey, Soccer, Golden Retrievers