

SCOTTY ANDRADE

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WORK EXPERIENCE

Birch Hill Equity Partners

Data Science Analyst

May 2020 – August 2020 Toronto, ON

- Designed a playbook for **Looker** through interviewing end-users and creating KPI dashboards that was used by five companies and led to a 40% increase in usage of the platform by executives.
- Developed an analytical pipeline in **Google Cloud Platform** using CRM data to send alert reports to 40 members of a sales team, resulting in 64 suspended contracts being renegotiated.
- Conducted a **spatial analysis** by generating a table of leads and creating a virtual map to visualize their locations which the VP of Strategy used to select routes for testing new sales processes.

RBC Capital Markets

AI Engineer

May 2019 – August 2019 Toronto, ON

- Learned complex AI theories through peer-to-peer knowledge sharing and online research to work on the fast-moving team developing Aiden, a **reinforcement learning** trading algorithm.
- Implemented Percent of Volume into the algorithm by taking a hypothesis through the **software development process**, improving Aiden's ability to factor in market impact when trading.
- Analyzed opportunities for improvement within the Aiden code and made changes based on **object-oriented programming** principles, increasing run-time efficiency by 125%.

Morgan Solar Inc.

Business Intern

April 2018 – June 2018 Toronto, ON

- Created a strategy for the new SPOTlight platform by executing a **SWOT analysis** and used it to convey the potential of the platform in grant proposals, equating to over \$500k in funding.
- Conducted a **market analysis** through research calls, financial analysis, and competitor analysis, informing the CTO of the savings the SimbaX product can provide businesses.

EXTRACURRICULAR ACTIVITIES

Community Consulting Project, [Project Lead](#)

July 2020 – Present Ivey Business School

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

Sunstang Solar Car, [Business Team](#)

September 2017 – March 2019 Western University

- Secured \$4,500 in funding by communicating an engaging pitch to potential sponsors and maintaining partner relationships.

EDUCATION

BESc in Software Engineering

The University of Western Ontario

September 2017 – April 2022

HBA in Business

Richard Ivey School of Business

September 2019 – April 2022

- 3.9/4.0 Cumulative GPA
- RBC Scholarship in Software Engineering
- Continuing Admission Scholarship

SKILLS

Soft Skills

Leadership Teamwork Communication
Conflict Resolution Project Management

Technical Skills

Python C++ Java SQL C#
Looker Git Linux Excel Pandas

PROJECTS

Sign Language Recognition

scottyandrade/Sign-Language-Recognition

- Led six students as a Project Manager on a Western AI **computer vision** project.
- Set a software design strategy, taught key machine learning concepts, and divided tasks based on student's strengths.
- Developed a neural network using **Keras** and **OpenCV** that dynamically recognizes sign language signals with 92.2% accuracy.

SHMUP Game

scottyandrade/SHMUP-Game

- Created a Space Shooter game in **Unity** using **C#** with tutorials, pick-up objects, boss levels, and upgrades.
- Designed **UX** graphics by creating wireframes and testing designs with users.

Personal Website

- scottyandrade.github.io