

EXPERIENCE:

Coding consultant – Human Development Lab, McMaster University,

Sep 2021 - Sep 2023

- Conducted **data analysis**, proficiently processing and transforming extensive **data frames** for research purposes using **Python** resulting in a cost and time reduction of **95%+**

Collision Attendee – Toronto, ON,

July 2022 - July 2023

- Engaged in networking with a diverse group of industry experts resulting in extensive personal and professional development

Swimming Coach/Camp Counselor – McMaster University,

July 2023

- Exhibited leadership, patience, and communication skills while developing and overseeing exercise programs for children (ages 6-15) while managing educational operations. Contributing to a positive and enriching experience

PROJECTS:

Personal Website: xanderrp2.github.io

Dec 2023 - Present

- Independently crafted a personal website featuring project showcases using **HTML, JavaScript, and CSS**

Group Competition: Robo-Portfolio maker,

Oct 2023-Dec 2023

- Developed an automated stock portfolio builder with **Python** and Jupyter Notebook, utilizing Numpy, Pandas, and Matplotlib libraries for streamlined financial analysis of both **CSV data frames** and **live stock data** from **APIs**

Design Competition: Mental Health App,

August 2022

- Developed an award-winning mental health app using **React, Swift, and Xcode**, winning a design competition, resulting in a \$1000+ prize and an offer for a partnership with the Brilliant Catalyst startup incubator at Ontario Tech University

VOLUNTEER WORK:

Alliance Learn to swim: On behalf of the UW varsity swimming team

Sep 2023 - Present

268+ hours of community volunteer work

Sep 2019 - June 2023

COMPETENCIES AND QUALIFICATIONS:

- Fluent in both **English** and **French** (Written and spoken)
- Principles Award for **Student Leadership** - 2019
- Experienced with **Java, C, Python, Javascript, HTML, CSS, React, SQLite, Racket, Bash, Linux, and git**
- Experience with **Power BI, Tableau, Jupyter Notebook, Github, Excel, PowerPoint, Numpy, TensorFlow, Pandas**
- Understanding and knowledge of being in a **leadership** position
- Analytical and logical thinking, organization, and ability to plan and prioritize tasks
- Strong **self-motivation** and discipline, excellent time management skills
- Investor for 5+ years resulting in exceptional **financial literacy**

EDUCATION AND TRAINING:

University Of Waterloo – Waterloo, ON,

Sep 2023 - Present

- Currently completing a **Bachelor of Computing and Financial Management** (Computer Science and Finance double major single degree)
- Educated in the uses of **Python, Java, C, and Racket** programming languages through both academic work and personal projects
- Exemplified exceptional **time management** and organizational skills as a **varsity swimmer**, successfully balancing rigorous training schedules with academic responsibilities, contributing to both individual and team success

YoungWorks: coding and engineering – Pleasanton, CA,

Dec 2017 - May 2023

- Completed five years of professional online courses, developing skills in **SQL, Python, Java**, and various **Machine Learning** implementations through experiential learning

Golden Horseshoe Aquatic Club – Hamilton, ON,

August 2017 - Sep 2023

- Successfully navigated a demanding academic curriculum while concurrently committing over 24 hours weekly to rigorous athletic training for a period exceeding five years, developing exceptional **time management** skills, **discipline**, and **resilience**