

Edward Weisberg

+1-289-995-4646 | edwardweisberg0@gmail.com | www.linkedin.com/in/edward-weisberg/ | <https://github.com/classTheTester> |

EDUCATION

• McMaster University

September 2023 - April 2027

Computer Science

Hamilton, Canada

- GPA: 3.6/4.00
- Awards: Dean's List, The Faculty of Engineering Award of Excellence
- Relevant Coursework: Data Structures And Algorithms

EXPERIENCE

• Computer Vision Software Engineer

October 2024 - Present

McMaster RoboMaster

Hamilton, Canada

- Developed real-time object detection and tracking algorithms using PyTorch, OpenCV and YOLO, achieving **88%** detection accuracy
- Integrated depth modules with embedded systems, reducing response time by **20%**
- Trained and validated models on custom datasets, improving target identification accuracy by **15%**

• Quantitative Developer

October 2024 - Present

McMaster Quantitative Trading Society

Hamilton, Canada

- Built trading bots and backtested strategies on real-world data using **Python**, **pandas**, and **Matplotlib**, achieving **12%** annualized returns on average
- Analyzed financial markets with time series analysis, stochastic modeling, and Monte Carlo simulations, improving forecast accuracy by **15%**
- Conducted risk assessment and portfolio management, achieved a Sharpe ratio of **1.5**

• IT assistant

June 2024 - September 2024

Medallion Corporation

Toronto, Canada

- Set up and maintained over **50** company computers, peripherals, accounts, and other auxiliary devices
- Utilized **OCR** technology coupled with **SQL** to manage a database of 1000+ files, expediting search time by **35%**
- Automated the categorization and manipulation of files by developing C++ and Python scripts, reducing manual processing time by **40%**

• Subcontractor

Sep 2019 - Apr 2023

Platinum Renovations

Vaughan, Canada

- Communicated with 50+ clients in a team of 10 people to ensure desired results
- Computed various measurements for layouts and structures using software such as Cedero or by hand
- Implemented ad hoc solutions within the team; worked on over 30 houses and 20 residential buildings

PROJECTS

• BrewChat

July 2024 - August 2024

Tools: [Python (Flask), HTML, Javascript, AI]

- Developed an interview interpreter that helped users prepare for career coffee chats
- Implemented a system to save and categorize the recording and pertinent information to a database
- Created API calls that interface with **AssemblyAi** to analyze users' interviews and provide key takeaways

• War Of Pets

February 2024 - April 2024

Tools: Elm

- Developed a local multiplayer game in Elm, utilizing functional programming to enhance performance
- Created a custom physics engine for realistic projectile trajectories and engaging object interactions
- Designed an accessible UI that improves eye-hand coordination with intuitive controls for players with motor skill challenges

SKILLS

- **Programming Languages:** Python, JavaScript, C++, Elm, C, CSS, HTML, Java, SQL
- **Web Technologies:** HTML, JavaScript, Flask, Beautiful Soup, CSS, React, Docker
- **Database Systems:** MySQL, PostgreSQL