

JERRY LIU

EDUCATION

B.S. in Computer Science

Carleton University

April 2023

PROGRAMMING SKILLS

Languages:

- C/C++
- C#
- Java
- Python
- SQL
- JQuery
- HTML
- ASP.NET
- Javascript

Programs:

- SAS
- Node.js
- Power Apps
- Mongoose
- MongoDB
- SharePoint
- Microsoft Excel
- Power BI

LEADERSHIP EXPERIENCE

VICE PRESIDENT

Carleton Computer
Science Society

September 2020 - April 2021

- Acted as the liaison between the School of Computer Science and 2000+ computer science students
- Encouraged student participation and promoted engagement to improve the quality of life for computer science students by hosting and promoting social events
- Facilitated internal discussions and supported by creating promotional materials, organizing, and hosting events with 40+ attendees
- Helped organize hackathons and technical talks to enrich student experience and broaden pathways

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☎ (647) 336 - 7843

🌐 asiantempura.github.io/abtme

📍 Toronto, ON

WORK EXPERIENCE

Data Analyst

Bank of Montreal

September 2022 - April 2023

SAS, Power Apps, SharePoint,
SDLC, SQL, MS Excel, Power BI

- Simulated and analyzed financial data from 200+ billion records to create a simulated control group
 - Applied control group data to gain insight and improve product approval decision making
- Created an incident form using VBA macros to automate cashback exception reports for more streamlined process
- Refactored and reorganized directories containing data and projects to improve file storage and internal access

PROJECTS

Nine Men's Morris AI

Python

February 2022 - April 2022

- Used OOP to create a playable game with responsive UI
- Implemented an AI through the use of adversarial search and min-max game trees
- AI has demonstrated the ability to make intelligent plays and win against non-optimal strategies

Webots Maze Navigation

Java

November 2021 - December 2021

- Simulated a robot able to navigate a complex maze and safely deliver parcels through the implementation of inverse kinematics and path planning
- Robot able to map out obstacles using LIDAR and calculate the best path using Dijkstra's Algorithm

Webots Maze Navigation

Java

November 2021 - December 2021

- Managed task division and meeting schedules for a group of programmers
- Proposed and implemented the use of Visitor, Factory and Observer designs using UML diagrams to accurately reflect relationships between student, professors and courses
- Applied CSS and HTML to enhance the UI of the website, making it more appealing to users