JERRY LIU

CONTACT

(647) 336-7843

Iiuzirui.work@gmail.com

https://asiantempura.github.io/abtme

Toronto, ON

EDUCATION

Bachelor of Computer Science Major Minor in Statistics

Carleton University

• Directed o

- Fundamentals of Web Applications
- · Object-Oriented Software Engineering
- Introduction to Artificial Intelligence
- Database Management Systems
- Introduction to Robotics

PROGRAMMING SKILLS

Languages

- C/C++
- C#
- Java
- Python
- SQL
- JQueryHTML
- ASP.NET

JavascriptPrograms

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

CAREER GOALS

Short Term

- Obtain certification in AWS and MS Azure
- Develop proficiency React and Angular

Long Term

- Build meaningful connections with coworkers and expand professional network
- Acquire transferable skills that could be useful in the future
- Narrow field of interest and become an expert in the field

WORK EXPERIENCE

Data Analyst

Bank of Montreal

2022-2023

- 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

Math and English Teacher

Kumon North America

2018-2019

- Directed communication and sales between parents to promote efficient transactions and proper workload distribution
- Supervised and guided children through their education by establishing a mutual relationship and motivating them

LEADERSHIP

Vice President

Carleton Computer Science Society

2020-2021

- 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

PROJECTS

Nine Men's Morris Al

Python

2022-2022

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

Webots Maze Navigation

Java

2021-2022

- 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

Course Management System

C#, HTML, Node.js, ASP.NET

2021-2021

- 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

Glad-Al-tors

Python, Pygame

2020-2020

- Designed a competitive AI for an arena-style game involving avoiding obstacles and attacking other AIs
- Al was able to change tactics depending on different scenarios
- Al was able to defeat over 75% of other competitive Al programs

JERRY LIU

CONTACT

(647) 336-7843

https://asiantempura.github.io/abtme

Toronto, ON

EDUCATION

Bachelor of Computer Science Minor in Statistics

Carleton University 2019-2023

- Fundamentals of Web Applications
- Object-Oriented Software Engineering
- Introduction to Artificial Intelligence
- Database Management Systems
- Introduction to Robotics

PROGRAMMING SKILLS

Languages

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

Programs

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

CAREER GOALS

Short Term

- Obtain certification in AWS and MS Azure
- Develop proficiency React and Angular

Long Term

- Build meaningful connections with coworkers and expand professional network
- Acquire transferable skills that could be useful in the future
- Narrow field of interest and become an expert in the field

WORK EXPERIENCE

Data Analyst

Bank of Montreal

2022-2023

- 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

Math and English Teacher

Kumon North America

2018-2019

- Directed communication and sales between parents to promote efficient transactions and proper workload distribution
- Supervised and guided children through their education by establishing a mutual relationship and motivating them

<u>LEADERSHIP</u>

Vice President

Carleton Computer Science Society

2020-2021

- 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

PROJECTS

Nine Men's Morris Al

Python

2022-2022

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

Webots Maze Navigation

Java

2021-2022

- 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

Course Management System

C#, HTML, Node.js, ASP.NET

2021-2021

- 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.

JERRY LIU

EDUCATION

B.S. in Computer Science

Carleton University

April 2023

PROGRAMMING SKILLS

Languages:

- C/C++
- C#
- Java
- Python
- SQL
- JQuery
- HTMI
- 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

liuzirui.work@gmail.com

(647) 336 - 7843

asiantempura.github.io/abtme



WORK EXPERIENCE

Data Analyst

Bank of Montreal

September 2022 - April 2023

- 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

Math and English Teacher

Kumon North America

September 2018 - August 2019

- Directed communication and sales between parents to promote efficient transactions and proper workload distribution
- Supervised and guided children through their education by establishing a mutual relationship and motivating them

PROJECTS

Nine Men's Morris Al

Python

February 2022 - April 2022

- Used OOP to create a playable game with responsive UI
- Implemented an AI through the use of adversial 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

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

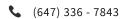
VICE PRESIDENT

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

△ l

liuzirui.work@gmail.com





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

- 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 Al

Python

February 2022 - April 2022

- Used OOP to create a playable game with responsive UI
- Implemented an AI through the use of adversial search and min-max game trees
- Al 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