

Seth Balt

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Education

Honours Bachelor of Computing and Business

SEPTEMBER 2023 - PRESENT

Brock University, St.Catharines, Ontario

Relevant Courses:

- Introduction to Computer Sciences, 92%
- Introduction to Data Structures, 80%
- Mathematical Reasoning, 91%
- Mathematics for Computer Science, 94%

Skills

Technical Skills

- Strong understanding of Microsoft and Google softwares(e.g. Microsoft Excel, Google Sheets, Microsoft Word, Google Docs)
- Understanding of computer and software structure(e.g. RAM, CPU, Storage, Input/Output)

Languages

- Java (Intermediate to Proficient)
- JavaScript (Beginner to Intermediate)

Academic Projects Experience

Sentence Generator

APRIL 2024

Introduction to Data Structures, Brock University, St.Catharines, Ontario

- Designed a system to recursively generate sentences by leveraging planning skills, project management, and understanding of Java to design how to generate sentences using recursion in order to begin coding with a strong layout and blueprint
- Introduced sliders to impact how chatty or descriptive the generator is in its sentences by applying previous programming knowledge and understanding of Java, leaving the program with more options for the user to adjust and construct different generations

Online Multiplayer Game

APRIL 2023 - JUNE 2023

Computer Science, Eden High School, St.Catharines, Ontario

- Constructed a functioning server and client relationship leveraging strong researching ability and computer literacy to set up a Raspberry PI server, utilize Node.JS, and Express JS in order to design and build an online multiplayer game
- Created methods to pass information between server and clients, deploying new understanding of Node.JS, Express JS and server and client programming in order to give the game its online and multiplayer functionality

Group Stock Market Simulator

MARCH 2023 - MAY 2023

Computer Science, Eden High School, St.Catharines, Ontario

- Developed a functioning formula for matching stocks for sale and for purchase by applying critical thinking, Java programming skills and work ethic to accurately select the best matching pair of stocks causing the program to accurately simulate how stocks are bought and sold
- Organised project tasks amongst group members by being organized and adaptable to evaluate group members programming knowledge and understanding about Java to ensure the project is best approached for completion
- Maintained and communicated project progress by leveraging strong project management, leadership, and time management skills to organise meetings with group members and maintain daily work logs to be ensure the project was on course to be completed on time
- Programmed a simple stock market simulator replicating how stocks are sold and purchased using understanding of Java, leadership and collaboration skills to allow the program to look and function as desired by the group

Tower Defense Game***MARCH 2022 - APRIL 2022***

Computer Science, Eden High School, St.Catharines, Ontario

- Programmed a fun, strategic tower defense game leveraging experience with object-oriented programming and Java to complete final culminating project in computer science class in high school
- Built different types of towers and enemies with different attributes by deploying knowledge of objects-oriented programming and inheritance and understanding of Java to create a traditional tower defense game
- Created a system for placing, removing and interacting with towers, as well as spawning and killing enemies using understanding of arraylists to allow for interaction between user and objects to be functioning properly, as well as the interaction between two different objects

Work Experience**Prep Cook/Dishwasher*****JUNE 2020 - PRESENT***

Just Cooking, Lincoln, Ontario

- Performed many tasks involving food preparation using my time management, critical thinking and problem solving skills to ensure all necessary tasks were completed before service began and before my shift ended
- Cleaned constant dishes under a heavy, intense work environment using my hard work, adaptability and organization to ensure my work is being managed well and my co-workers can continue to do their jobs effectively
- Contributed to effective work environment using collaboration and communication to ensure everyone works effectively in their own roles

Soccer Referee***APRIL 2017 - AUGUST 2019***

Town of Lincoln, Lincoln, Ontario

- Refereed fair games of soccer using my management, communication skills, and attention to detail to ensure correct decisions were made and communicated towards both teams throughout the duration of the matches
- Promoted safe and enjoyable playing environment using my active listening and positive attitude promote a positive attitude to all the players and reduce arguments and fights occurring between players and staff