WILLIAM LI
COMPUTER ENGINEERING STUDENT

✉ W553Li@uwaterloo.ca
📞 1 (403) 613-6652
in william-li-a893a5229/
○ W553Li

SKILLS AND INTERESTS

LANGUAGES: Java, C/C++, Python, JavaScript, HTML, CSS
SOFT SKILLS: Collaborative, Organized, Adaptable, Problem-Solving
TOOLS: Git, VS Code, MS Office, Photoshop, Intellij IDEA, MS Azure
HOBBIES: Video Games, Piano, Reading, Badminton

EDUCATION

University of Waterloo
Pursuing BASc in Computer Engineering (2026)

John G. Diefenbaker High School
International Baccalaureate Diploma (2021)

EMPLOYMENT

WATERLOO EXPERIENCE ACCELERATE PROGRAM   Jan. 2022 - Apr. 2022
AI for Financial Services Project Team Member, Microsoft – Azure & AI Fundamentals   Waterloo, ON (remote)
- Oversaw Security and Privacy procedures while part of a 5-member group tasked with planning a financial service utilizing AI under the mentorship of an RBC member
- Designed a financial service using MS Azure Machine Learning and MS SQL Database to provide accessible and personalized investment recommendations
- Planned a financial info Q&A bot utilizing MS Azure's QnA service trained using a knowledge base supplied with general investment info provided by financial institution advisors
- Organized societal & ethical considerations and budget to follow Microsoft Business Guidelines regarding User Safety and Privacy

PROJECTS

CANDLELIGHT | JAVA   Feb. 2022 - Apr. 2022
- Link: https://github.com/W553Li/Candlelight
- Window-based roguelike game featuring an endless dungeon of increasing difficulty
- Designed custom randomizers for stages, enemies, and items for a unique experience across every playthrough
- Utilized key and mouse event listeners for control of character movement and actions
- Implemented real-time updating for player health, mana, and special ability bars alongside boss health bar

TODO LIST | HTML, CSS, JAVASCRIPT   Jan. 2022 - Feb. 2022
- Link: https://github.com/W553Li/ToDoList
- Web-based Todo list with a functioning vanilla front-end and a back-end using local storage to maintain Todo list items between startups
- Utilized event listeners for real-time control of list items and animations
- Implemented auto-scaling interface for adaptability to the user's screen size

BATTLESHIP | PYTHON   July 2021 - Aug. 2021
- Link: https://github.com/W553Li/Battleship
- Terminal-based Battleship remake with various player modes and customizable game features
- Implemented custom selectable board-sizes, number of ships, and number of turns through user input
- Designed enemy bot for single player game-mode using a custom randomizer for enemy ship placement and to attack player's hidden ships
- Implemented support for local two player game-mode

VOLUNTEERING

High School Math and Online Tutor   Sept. 2020 - June 2021
John G. Diefenbaker High School   Calgary, AB
- Clarified course concepts for 10+ students via individual and group sessions, increasing assessment grades by 10%
- Tutored Math and Physics in a Student Discord Server with 200+ students between grades 10 to 12

Teaching Assistant   Sept. 2019 - June 2020
The Chinese Academy   Calgary, AB
- Clarified learning concepts for 5 students during lessons and study sessions, improving weekly quiz marks by 15%
- Organized open-house and festive school events with a primary focus of preparing activity stations for youth students
- Assisted classroom teacher with organizing student work such as quizzes, homework, and projects

CUSTOM SECTION 1

Certifications · Microsoft Azure
- Microsoft Azure Fundamentals and Microsoft Azure AI Fundamentals