



Joao Ishida Correa

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Technical Skills

Languages: C, C++, HTML, CSS, JS, Java, Assembly x86, Matlab, Python

OS: Linux and Windows

Software: GitHub, Figma, VS code, Linux Ubuntu, Eclipse, Unity

Skills: Debugging, Algorithm and Data Structure, front-end, and back-end

Transferable Skills

- Committed to delivering high-quality work through meticulous testing and debugging of code to ensure reliability and eliminate bugs
- Dedicated to lifelong learning, continuously acquiring new skills and knowledge to adapt to changing challenges and foster personal and professional growth.
- Excellent communication skills, with a high proficiency in English, Portuguese, and Spanish

Technical Projects

Blokus Game Implementation Ongoing

May 2023 - Present

CMPT 276 - Introduction to Software Engineering, SFU

- Currently developing a Blokus board game using Python and PyQt5
- Implementing a high-quality GUI and incorporating AI bot players into the game
- Applying software development skills, teamwork, and debugging techniques to ensure high-quality work

Fifteen Puzzle Game and Solver

Jan - Apr 2023

CMPT 225 - Data Structures and Programming, SFU

- Developed a fifteen puzzle game using Java language to be played using the terminal
- Applied graph principles to develop the game solver so it could resolve the game under a second
- Utilized different methods of solver using different algorithms (A*, IDA) improving the solution depending on the board size

Assembly Functions

Jan - Apr 2023

CMPT 295 – Introduction to Computer Systems, SFU

- Implemented multiple assembly functions, such as a small calculator, using x86 assembly language
- Applied low-level programming to manipulate the computer's hardware directly
- Operated logic and mathematical operations to perform complex calculations using assembly

BST and AVL Tree

Jan - Feb 2023

CMPT 225 - Data Structures and Programming, SFU

- Implemented binary search tree and AVL tree algorithms using C++ and Java language
- Utilized recursion and data structures to optimize the search and insertion algorithms

Personal Projects

Personal Portfolio - <https://joaoishida.github.io/cool-portfolio/>

May 2023

- Developed a portfolio website using HTML, CSS and JS to showcase more about me and my expertise
- Improved the codes by learning more of the languages to have a better looking and more professional personal portfolio

Simple Chess Game

Jan - Mar 2023

- Developed a simple two-player chess game using Java language
- Applied algorithmic thinking to develop the game logic and mechanics in the terminal



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Technical Extra-Curricular

SFU Mountaintop Games Jam

Jul 2023

- Collaborated effectively with a team to ensure the successful execution of game mechanics, art assets, and music composition. Utilized C# code and Unity's assets for game creation.
- Adapted quickly to the challenge of developing a game within time constraints, showcasing the ability to work efficiently and effectively under pressure and solving problems.

Softblue Programming Logic Course

Apr 2021

- Improved coding logic through programming exercises and article reading

Udemy C++ Course

Mar - Apr 2021

- Strengthened my language proficiency and programming skills through programming exercises and staying updated with relevant articles and videos

Harvard CS50's Course

Jul - Aug 2020

- Harvard's Introduction to Computer Science course to tackle real-world programming challenges and develop practical solutions
- Utilized the insights gained from video introductions to programming languages like C, Python, and SQL to expand my understanding of different programming paradigms and their applications

Other Work Experience

Barista

Aug - Dec 2021

Starbucks, Burnaby, BC

- Greeted customers and took their orders accurately and efficiently for a pleasant experience
- Collaborated with other baristas and team members to maintain a smooth and efficient operation

Volunteer Experience

Community Volunteer, North Vancouver, BC

Apr 2019 - Jun 2020

- Utilized strong organizational skills to coordinate and enhance events in both North Vancouver and the City of Vancouver
- Events included street events for the community, Carnaval del Sol organization, a wide range of nonprofit organizations, and community locally

Community Volunteer-"Rebeldes de Atitude", Brazil

Jan 2015 - Dec 2017

- Helped communities in need as an English teacher and distributed meals and non-perishable food

Education

Simon Fraser University, Burnaby, BC

Jan 2022 – Present

- Bachelor of Applied Science in Computer Science

Fraser International College, Burnaby, BC

Sep 2020 - Dec 2021

- UTPII Applied Science in Computer Science