Joao **Correa**

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Computer Science Undergraduate

Skills

Programming Languages	Java	Python	HTML	JavaScript	CSS	C/C++	C#	SQL	Linux	Assembly x86
Knowledge	Test Driven Development	Algorithms and Data Structures	Full Stack	Git/Github
Transferable	Life-learner	Communication	Teamwork	Fast-paced environment	Quality Assurance
Languages	English	Portuguese	Spanish

Technical Projects

Blokus Game Implementation   *May - Aug 2023*
CMPT 276 - Introduction to Software Engineering   *SFU*
- Developed a Blokus board game using Python and PyQt5
- Applied 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
- Utilized methods of solver using different algorithms (A*, IDA)

Assembly Functions   *Jan - Apr 2023*
CMPT 295 – Introduction to Computer Systems, SFU   *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

BST and AVL Tree   *Jan - Apr 2023*
CMPT 225 - Data Structures and Programming, SFU   *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

Extra-curricular

2023	**Mountaintop Games Jam**, SFU
2023	**Programming Logic Course**, Softblue
2023	**C++ couse**, Udemy
2020	**CS50 Course**, Harvard

Education

BASc Computer Science   *Jan 2022 - Present*
Simon Fraser University   *Burnaby, BC, Canada*

UTPII - Applied Science in Computer Science   *Sep 2020 - Dec 2021*
Fraser International College   *Burnaby, BC, Canada*