Joao Ishida Correa

Burnaby, BC

jvi2@sfu.ca | 778-801-9050 | github.com/JoaoIshida

Technical Skills

Languages: C, C++, HTML, Java, Assembly x86, Matlab
Software: Github, Visual Studio, VS code, Linux Ubuntu, Eclipse

Skills and Abilities

- Debugging skills
- Attention to detail
- Data analysis
- Commitment to quality in work
- Problem Solving
- Ability to work well in team
- Passionate about learning and delivering results
- Excellent communication skills, with a high proficiency in English, Portuguese, and Spanish

Technical Projects

Fifteen Puzzle Game and Solver (Mar 2023 - Apr 202)

CMPT 225 - Data Structures and Programming, SFU

Developed a fifteen puzzle game using Java language

- Utilized object-oriented programming principles to design the program
- Applied algorithmic thinking to develop the game logic and mechanics

Assembly Functions (Feb 2023 - Apr 2023)

CMPT 295 – Introduction to Computer Systems, SFU

Implemented multiple assembly functions, such as a small calculator, using x86 assembly language

- Utilized low-level programming to manipulate the computer's hardware directly
- Demonstrated understanding of computer architecture and organization
- Utilized logic and mathematical operations to perform complex calculations

BST and AVL Tree (Feb 2023 - Feb 2023)

CMPT 225 - Data Structures and Programming, SFU

Implemented binary search tree and AVL tree algorithms using C++ and Java language

- Utilized object-oriented programming principles to design the program
- Utilized recursion and data structures to optimize the search and insertion algorithms

Conversion of Decimal, Binary, and Hex (Jun 2021 - Jun 2021)

CMPT 125 - Intro to Computer Science and Programming II, FIC

Developed a program to convert decimal, binary, and hex numbers using C++ language

- Demonstrated understanding of number systems and their conversions
- Utilized logical operations and bit manipulation to optimize the program's efficiency
- Utilized data structures and algorithms to perform the conversions accurately and quickly

Personal Projects

Simple Chess Game (Jan 2023 - Mar 2023)

Developed a two-player chess game using Java language

- Utilized object-oriented programming principles to design the program
- Applied algorithmic thinking to develop the game logic and mechanics

Technical Extra-Curricular

Softblue Programming Logic course (Apr 2021 - Apr 2021)

- This course has about 20hours of lectures + programming exercises and articles reading

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Udemy C++ course **(Mar 2021 - Apr 2021)**
- This course has about 42 hours of lectures + programming exercises and articles reading

Harvard CS50's course **(Jul 2020 - Aug 2020)**
- Harvard's introduction to Computer Science
- Introduced to programming languages like C, Python, and SQL

Digital Career Skills **(Sep 2019 - Feb 2020)**
- Classes taken in High Schoolas an introduction, beforeUniversity, based on what students were interested

English course **(Sep 2019 - Feb 2020)**
- In order to advance and improve academic writing and critical thinking

Other Work Experience

Barista **(Aug 2021 - Dec 2021)**
Starbucks, Burnaby, BC
- Greeting customers   andtaking their orders accurately and efficiently
- Collaborating with otherbaristas and team members to maintain a smooth and efficientoperation
- Learn new digital features and read about technologydevelopments
- Play Video Games
- Sports: Soccer, Basketball, and bodybuilding
- Develop new features for my everyday usage or for enjoyment

Volunteer Experience

Bodwel High School, North Van, BC **(Apr 2019 - Jun 2020)**
- Worked in a series of volunteer works for the community in North Van and the City of Vancouver.
- Community volunteering opportunities at Bodwel HS. Some of them were mainly to help organize public events and work socially to help improve the community in North Vancouver

"Rebeldes de Atitude", São Paulo, Brazil **(Jan 2015 - Dec 2017)**
Helping needy communities
- Worked in needy communities as an English teacher and helped with the distribution meals and non-perishable food.

Certifications

American Mathematics Contest 10/12 **(Jan 2020 - Jan 2020)**
Cambly Certificate of Accomplishment **(Apr 2019 - Apr 2019)**
OBMEP- Brazilian Math Olympiad **(Oct 2018 - Oct 2018)**

Education

Simon Fraser University **(Jan 2022 - Present)**
Burnaby, BC
Bachelor of Applied Science in Computer Science

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