Jessica He **Computer Engineering Student**

Vancouver, British Columbia

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SKILLS

	Programming Languages	Software Tools
Most Experienced:	**Java, C++, C, Verilog**	**IntelliJ IDEA, Git, Linux**
Dabbled In:	HTML/CSS, x86 ASM, Python, JavaScript	RStudio, Visual Studio, TensorFlow

EDUCATION

University of British Columbia   **Expected Graduation: May 2023**
Bachelor of Applied Science - Computer Engineering
Co-op: Available for 4 or 8 months beginning May 2021

EXPERIENCES

Software Team Member   **September 2018 – January 2020**
Thunderbots, UBC
- Developed AI of soccer-playing robots to compete in annual RoboCup competition **(1st place, 2019)**
- Implemented decision-making, control evaluation functions in C++ that improved robots' gameplay
- Collaborated with team members through Agile workflow and completed weekly sprints
- Learned professional etiquette for code version control under senior members' mentorship

TECHNICAL PROJECTS

Wikipedia Mediator Server   **November 2020 – January 2021**
- Built a thread-safe, server application that accesses Wikipedia and parses JSON-formatted queries
- Implemented a network socket capable of listening and handling client connections
- Designed a finite buffer that aids data caching and sped up access to recent queries

Graph Interface and Abstract Data Type   **October 2020 – December 2020**
- Programmed an encapsulated interface that represents a directed graph using adjacency list/matrix
- Constructed various graph algorithms such as search, traversal, and distance calculations

Personal Website and Portfolio   **August 2020 – Present**
- Established a personal website through HTML, CSS hosted on GitHub pages

VOLUNTEERING

President   **August 2015 – September 2018**
CACTES Association, Surrey, British Columbia
- Fostered leadership for team of over 60 members and established communication with members
- Oversaw local charity events that raised over $3,000 in total for non-profit organizations in Nepal

Orientation Leader   **February 2018 – September 2018**
UBC Imagine Day Orientation
- Cultivated a group of 10 new-to-UBC students to foster an engaged, respectful community