



ISABELLA LEROUX

Year 2, Computer Science Major
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TECHNICAL SKILLS

Programming Languages:	Java, Python, C, HTML, CSS
Tools and Environment:	GitHub, Jira (acquiring)
Testing:	JUnit
Other:	ArcGIS, Figma

TECHNICAL PROJECTS

Wordle Solver - Personal project

July 2022 - Aug 2022

Technologies: Java, iterator pattern, Java Swing

- Created a desktop application that generates the correct solution to Wordle, a popular word guessing game, within the guess limit
- Implemented the iterator pattern to filter a 5000-word collection based on user feedback, while accounting for duplicate letters in words, to suggest the user's next Wordle move
- Designed a GUI which includes a popup panel with interactive colour-changing buttons to facilitate user feedback

Soccer Game Scheduler - Academic project

Jan 2022 - May 2022

Technologies: Java, JUnit, org.json library, Java Swing

- Developed an interactive interface that can create player profiles, create and report game events, and view team, game and player statistics
- Generated over 25 comprehensive tests to achieve full test coverage
- Integrated data persistence by implementing a method to parse through classes to store and restore all player, team and game data from a JSON file
- Converted the console interface to a GUI using a variety of components, including a panel with multiple tabs, drop-down selections and tables

WORK EXPERIENCE

Alianza

Jan 2023 - April 2023

QA Engineer Co-op

- Developing, executing and analyzing test cases based on specifications from customer, product and development team
- Identifying and documenting software defects and collaborating with developers to troubleshoot issues and verify fixes
- Documenting test flows for product GUIs and maintaining a regression test schedule

Student IT Infrastructure Analyst

May 2022 - Sept 2022

Canada Revenue Agency (CRA)

- Delivered front-line service to clients and resolved software and hardware issues through troubleshooting
- Granted and removed access to folders, mailboxes and resources through the use of Active Directory and Exchange Admin Centre
- Received, processed and resolved over 250 IT tickets using BMC Remedy
- Installed and maintained CRA and Canada Border Services Agency (CBSA) software

VOLUNTEER EXPERIENCE

Graphic Designer***UBC UX Hub***

Sept 2022 - present

- Producing social media content aimed at promoting club events and member engagement, reaching an audience of over 1000 students
- Managing graphic design projects from conceptualization to publication
- Working closely with the club's content writing team to conceive cohesive content and consistently meet the club's needs and deadlines

Co-Founder & Vice President***WINGS Club at Carson Graham Secondary***

Sept 2019 - June 2021

- Organized and directed over 20 high school initiatives such as a blood donation drive, a kindness card drive for seniors and an international student buddy program
- Recipient of the City of North Vancouver 2021 "Outstanding Squad Civic Youth Award"

EDUCATION

University of British Columbia

Sept 2021 - May 2026

Expected graduation 2026

2nd year Bachelor of Science, Computer Science Major and Geographic Information Science Minor