CHRISTOPHER SIMMS

Year 2, Computer Science and Mathematics

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TECHNICAL PROJECTS (ACADEMIC)

Product Management System | *Java, Swing, JUnit, JSON, Git* Jan. 2023 – May 2023

- Developed system and interface using Java Swing GUI, allowing users to add and edit products.
- Implemented data serialization with JSON for efficient data management and retrieval.
- Employed OOP principles to ensure scalability and ease of codebase maintenance.

Sorting Algorithm Analysis/Visualization | *Python, PyGame, Git* Feb. 2022 – May 2022

- Implemented, optimized and performed runtime analysis on 8 sorting algorithms in Python.
- Analyzed results of over 120 CPU sorting hours as part of Capstone graduation project.
- Developed animation software using PyGame to visualize different methods of sorting.

TECHNICAL PROJECTS (PERSONAL)

Robot Control Systems | *Java, Git* Sep. 2021 – Jun. 2022

- Developed control systems in Java to allow a robot to be remotely operated.
- Collaborated with a design team, developed control systems and facilitated testing.
- Placed 2nd in 2021/22 FIRST Tech Challenge provincial tournament.
- Developed time management and prioritization skills as sole programmer over 6 months.

TECHNICAL SKILLS

Languages: Python, Java, C/C++, HTML/CSS, JavaScript, Racket
Technologies: Git, PyCharm, IntelliJ, Visual Studio Code, JUnit

WORK EXPERIENCE

Automotive Parts Sales Representative June 2020 – June 2022
Canadian Tire *Terrace, BC*

- Efficiently managed several complex virtual & physical inventory systems.
- Developed strong conflict resolution skills while building strong customer relations.

Patient Registration, Visitor Check-In June 2022 – Aug. 2022
Northern Health *Terrace, BC*

- Handled hospital visitor check-in and COVID vaccine verification for entrants.
- Facilitated the integration of a virtual check-in system for lab outpatients.

EDUCATION

The University of British Columbia Vancouver, BC
Bachelor of Science, Computer Science and Mathematics *Expected Graduation: May 2027*