

Avery Backus

Toronto, Ontario | +1 905-914-0291 | averybackus64@gmail.com | github.com/averybackus

Technical Skills

Programming Languages: Proficient in Java, knowledgeable in Python, C/C++, Verilog/Assembly, and MATLAB.

Technologies/Frameworks and Developer Tools: Git, Junit, PostgreSQL.

Developer Tools: IntelliJ, PyCharm, GitHub, Visual Studio Code, Eclipse.

Office Productivity: Microsoft Office (including Excel and PowerPoint), Google Workspace.

Projects

Advanced Object-Oriented Programming Labs | Fall 2023

- Completed for my EECS2030 course in Java.
- Focused on recursion, Junit testing, encapsulation, exceptions, classes and interfaces, and inheritance.
- Please note these labs were given with the outlines to fill in.

Data Structures Labs | Winter 2024

- Completed for my EECS 2021 course in Java.
- Developed customized data structures and assessed their time and space complexities e.g. Queue, Linked Lists, Stacks, Maps, Trees
- Please note these labs were given with the outlines to fill in.

Food Ordering System | Winter 2024

- Prototype Java application for a sushi restaurant.
- Allows customers to order and staff manage orders, tables, and payment.
- Built using Java, JavaFX, and PostgreSQL

Non-Technical Experience

Part-Time Facility Maintenance | Municipality of Clarington, Clarington, Ontario | Sep 2021 - Sep 2022, May 2023 – Sep 2023

- Upkept Municipal facilities for one year, then brought back to work the following summer.
- Provided the cleaning and maintaining of ice rinks as well as pools.
- Assisted patrons in any customer service needs.
- Worked efficiently in a team utilizing strong communication skills.

Warehouse Assistant | HMFT, Ajax, Ontario | May 2023 – Sep 2023

- Received incoming inventory shipments and verified their accuracy against packing lists.
- Organized and categorized inventory items based on established storage procedures.

- Executed general labor duties such as loading and unloading trucks, lifting heavy objects, and moving materials within the warehouse.
- Assisted in the assembly and disassembly of storage racks and shelving units.
- Performed routine maintenance tasks to ensure the functionality and safety of the shop.

Education

York University | Sep 2022 - Present

B. Eng in Software Engineering, Big Data Stream

GPA: 5.75 on a 9-point scale, approximately a B letter grade.

Completed Relevant Coursework: OOP in Java, Computer Organization and Design, Algorithms, Linear Algebra, Discrete Mathematics, Project Management, Data Structures, Embedded Systems, Software Development Project, Communications.