NATHEN FERNANDES

nathenfernandes03@gmail.com | Linkedin: [Nathen Fernandes](#) | Github: [NathenFernandes](#) | [Personal Website](#)

EDUCATION

Bachelor of Science

Western University - Computer Science

Relevant Courses: Data Structures and Algorithms, Computer Architecture, Object Oriented Programming, Data Science, Linear Algebra, Calculus, Discrete Math

WORK EXPERIENCE

Inventory Assistant

- Worked 12.5 hours a week in the campus's largest technological facility managing inventory, service orders as well as adjusting values in the database more specifically Microsoft access as well as Orbit.
- Would often work at the front desk and help students and staff locate the necessary technological parts and sign them in following the covid protocols

Fresh Food Associate

- Worked 35 hours a week and often switched positions to CAP 2 due to excess amounts of inventory needing to be unloaded and stocked in the backroom.

Programmer

- Programmed the pneumatic robotic arm in C++ for the FRC team 7603 team that would rise to a specified angle and use rotating DC motors to shoot a ball into a target during competitions
- During our first year our robot had gone on to win the Rookie Top Seed Award, and the Creativity Award as well as qualify for district event finalists.

PROJECTS

Windows Java Executable Application | [Code](#) | [Video](#)

- Developed an executable **Java** game using the package JavaFX. This game had multiple classes and features, including a sound manager, multiple characters. An AI bot to fight, interesting and unique abilities each requiring unique code.

Android Mobile Application | [Code](#) |

- Developed a mobile infinite runner game using **C++** called "escape the atmosphere" this application got nearly 100 downloads.

Personal Website | [Code](#) | [Website](#)

- Employed **Bootstrap**, **Javascript**, **HTML**, and CSS to conceptualize the front and back end of my personal website
- Fostered a creative outlet to display projects and experiences, while simultaneously refining understanding of HTML and CSS

SKILLS AND INTERESTS

Skills: Microsoft Access/ ER Diagrams, Data Science (NumPy, Pandas, etc), Excel / XML
Programming Languages: Python, Java, C++, HTML, CSS, C, ARM