

# Lukas Rose

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## Education

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**Honours, Bachelor of Engineering, Software Engineering**

**Expected April 2023**

Lassonde School of Engineering, York University (3<sup>rd</sup> year)

## Work Experience

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**Steel Roof Technician, All Steel Roofing Systems**

**Mar 2018 – Oct 2019**

- ♦ Working together with team to custom install steel roofs using various tools and safety equipment, such as hard-hat, gloves, safety harness, etc.
- ♦ Assign tasks to co-workers to ensure efficiency and safety at the workplace

**Machine Operator, Mansteel Rebar Ltd.**

**July 2017 – Mar 2018**

- ♦ Using a variety of high-grade machines and tools to complete tasks safely and efficiently in part of completing clients' specific orders in time and a product of high quality
- ♦ Responsibility of keeping workplace safe for myself and co-workers, using safety equipment

**Service Associate, Nando's Chicken**

**2016 – 17**

**Cashier, A&W Restaurants**

**2014 – 16**

## Relative Experience

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**Lassonde Engineering Games 2020**

**January 2020**

- ♦ 1st place in the Build Challenge while also getting top 5 overall out of 30 teams.
- ♦ Programmed optimized recursive algorithm to find best possible route to goal taking into consideration obstacles, fuel level of vehicle, fuel stations, and location of goal destination (extracted from JSON file)

**BEST Elle Hacks Volunteer**

**Winter 2020**

- ♦ Volunteered as a mentor and leader for this all-female hackathon by leading groups with instructions as well as mentoring various teams and helping with their programming challenge when help was required

**Computer Organization**

**A**

- ♦ Course covered machine language architecture and addressing single/multicycle data paths
- ♦ Excelled in implementing problem-specific code in regions of pipelining, and memory segments/hierarchy

**Digital Logic Design**

**B+**

- ♦ Received knowledge and valuable skills on analysis and design of logic circuits used in digital systems.
- ♦ Constructed several different combinational and sequential logic circuits and functional blocks.

**Software Development Project**

**A**

- ♦ Design and implement a GUI interface for creating and customizing Venn diagram, written in Java
- ♦ Led my group in making critical decisions, developing, testing the program throughout semester

## Proficiencies

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- ♦ Java, C, HTML, CSS, JavaScript, Verilog, R, Linux Commands, Bash, RISC-V, MATLAB, AutoCAD
- ♦ Microsoft Office PowerPoint, Excel, Word, Access, Publisher, Lync
- ♦ Fluent speaking, writing, and reading skills in English and German