

# LOGAN DERRY

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I am a determined engineering student looking to learn engineering while also dipping my toes in the business sector to gain the experience needed to advance my career. Through my life-long commitment to learning, I demonstrate my determination to doing the things I love.

## ACADEMIC ACHIEVEMENTS

### Western Engineering Competition 2021, Junior Design Winner

- Led a team of likeminded engineers to design a prototype for the given challenge in a 6-hour timeframe.
- Used onShape to create a CAD model of the prototype.
- Went in front of a panel of judges to present our prototype and effectively answer questions spontaneously.

### Ontario Engineering Competition Junior Design Participant 2021

- As a team, we created a pair of towers to manipulate

### SCDSB Skills Robotics Divisional Round Winner 2019

- Designed and constructed a front loader-like VEX robot to move golf bars from one side of the field to the other.
- Used mechanical and programming knowledge to effectively build the design.

## WORK EXPERIENCE

### Technician, Bell Technical Solutions (May 2022 – September 2022)

- Fusion Splicing
- Installation and repair of fibre optic networks on customer premises.
- Troubleshooting problems that come up during the installation process.
- Gained and used knowledge about wifi and RF optimization.
- Employed self accountability to effectively work on my own.

### Customer Service, Home Hardware Bradford (April 2019 – Present)

- Improved people skills by talking to customers regularly.
- Sold countless products to customers ranging from paint to plumbing.
- Learned a wide variety of information about products in the store as well as how our products work in the home.
- Learned handy skills by cutting and grinding custom-made products for sale.

### Assembly of Condensate Neutralizers, Dercos Manufacturing Inc (September 2016 – Present)

- Finished orders on time, using time management.
- Used hand tools to reproduce thousands of units.

## EXTRACURRICULARS

- **PCB Design for Western Aero Design Team (2021 -)** – EAGLE PCB routing and soldering
- **Innovation and Entrepreneurship club (Sept 2021-)**

## EDUCATION

### Enrolled in Bachelor of Engineering Science, Western University, Ontario (September 2020 – May 2024)

Good academic standing, maintaining my standard of work quality from High school while also participating as a member on the Innovation and Entrepreneurship, and Aero design teams.

## SKILLS

- Programming
  - Java
  - Robot C
  - C
- VEX Robotics
- Hand tools
- Public Speaking
- Teamwork
- Leadership
- Time Management
- Works well Under Pressure
- CAD
  - onShape
  - AutoCAD
  - EAGLE
- Fusion Splicing
- Fibre Optic Network Troubleshooting
- RF Troubleshooting
- Working at Heights
- Customer Service

## **PROJECTS**

### **Automated Arduino Stovetop Cooker**

- 2nd year design project: used a variety of Arduino sensors and actuators to construct a stovetop control that cooks food to a desired temperature and then turns off when that temperature is reached. Also, it is Bluetooth controlled.
- Worked as a team to complete a task.
- Routed Arduino shield using EAGLE and a variety of component libraries.

### **Function Generator PCB**

- Used op-amps, capacitors, and resistors in multivibrator, integrator, and amplifier circuit configurations to create a variety of waveform functions.
- Used EAGLE to route a PCB with strict size constraints.

### **1<sup>st</sup> Year Design Class Fall Project**

- Went through the design process to create a LED mask design for helping teachers portray emotion to children to help them develop emotional intelligence.
- Used onShape to create CAD models for design.
- Worked on a team of 5, demonstrating accountability by finishing all of my work on time, teamwork, and leadership by leading conversations to get the task done.