

# Kobe Barrette

Creative Developer • Analytical Thinker • Bilingual (EN/FR)

## Projects

### Autonomous Pathfinder

- Designed and implemented a small-scale vehicle capable of navigating a maze on its own.
- Held a lead role in motor and steering controls, assembling the electrical components, and developing the code for movement, object detection, and turning  
*Arduino*

### Glances Open-Source Project

- Developed new-feature requests for Glances open-source monitoring application

*Python, VS code, GitHub*

### Project Tracking Dashboard

- Designed a website using ignition SCADA's perspective module to track company projects in real-time
- Developed and integrated database model
- Configured Raspberry Pi to emulate digital signage device for displaying dashboards

*Java, Python, SQL, CSS*

## Contact

- 705-221-1186
- [Kbarre05@uoguelph.ca](mailto:Kbarre05@uoguelph.ca)
- [LinkedIn](#)

## Experience

### Northern Ontario Wires Inc. | Engineering Research & Development (Co-op) May 2024 – Aug 2024 | Cochrane Ontario

- Local electricity distribution company responsible for distributing power to the towns of Cochrane, Iroquois Falls and Kapuskasing.
- Developed an excel tool capable of assisting in creating parts lists for new lines being constructed. The tool utilizes Visual Basics language and follows the Utility Standards Forum (USF).

### RidgeTech Automation | Control System Specialist (Co-op)

Jan 2024 – April 2024 | Cambridge, ON, CAN

- A control system developer and consulting company having provided solutions for over **\$1 billion** worth of industrial equipment.
- Worked as part of the integrated software team to develop high quality applications for various clients using ignition SCADA.
- Adapted an Agile Scrum framework participating in daily stand-ups, weekly demo sessions, and managing jobs using Atlassian's JIRA.
- Performed networking tasks such as server configuration using Proxmox Virtual Environment. Created VM's which implemented Linux and Windows 10 environments

### Department of National Defence | Engineering Student Project Manager (Co-op)

May 2023 – Aug 2023 | Ottawa, ON, CAN

- Worked on the Chemical Biological Radiological Nuclear explosives Enhancement (CBRNe) project to procure advanced (**multi-million dollar**) engineering capabilities for the Canadian Special Operations Forces Command (CANSOFCOM).
- Performed data analysis to extract trends and areas of improvement in terms of expenditure throughout the Fiscal Year.
- Automated Excel scheduling/tracking sheet using macros developed in VBA.

### Newmont Gold Mine | IT Support (Student)

May 2022 – Aug 2022 | Timmins, ON, CAN

- Worked as part of the IT team at one of the **world's largest** gold mining operations, with sites operating in **9** different countries.
- Performed Software and application troubleshooting as part of end-user support, utilizing remote desktop and shell scripting to access employee devices and help.

## Education

### University of Guelph (2021) | BENG, Engineering Systems and Computing

- Dean's List: maintaining 3.6 (83%) GPA
- Tutor: Calculus, Programming, Systems, Circuits, etc.