

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
- [LinkedIn](#) | [Portfolio](#)

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.