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

Encryption/Decryption tool

• Led a team in developing a tool to encrypt and/or decrypt text files using hex based encryption keys

C, VS code

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

Python Scripting, SQL, Linux Ubuntu, CSS

Experience

RidgeTech Automation | Control System Specialist (Co-op)

Jan 2024 - Present | 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 offer assistance

• Adapted client focused practices and high paced working abilities

Education

UGuelph (2021) | BEng, Engineering Systems and Computing

• Dean's List: maintaining 3.6 (83%) GPA

• Tutor: Calculus, Programming, Systems, Circuits, etc.

Contact

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