**Cory Gish**

**Contact Information**

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**Co-op and Other Related Experiences**

* ITE – Electrical Engineer (4 Semesters)
  + Developed a Bluetooth audio board for learning programming of microcontrollers.
  + Created an IoT webpage demo for a client utilizing HTML, CSS, and JavaScript using Losant.
  + Managed electrical parts and assisted in building for the second proof of concept on a $30 million dollar laser eye surgery machine.
  + Conducted testing on experimental PPE equipment using a UV lamp.
  + Reworked 680 boards for a client.
  + Developed holographic software using Unreal Engine to display company models in holographic display.
  + Fixed a UV lamp circuit for testing on a prototype laser eye surgery machine.
  + Created the Standard Operating Procedures and Emergency Procedures for a coherent laser.
  + Utilized a PIC to have a joystick control lights through PWM.
  + Troubleshooted wiring/programming issues on a Harmar lift.
  + CNC milled prototype copper boards for testing

**Skills and Expertise**

* Programming Languages: C++, C, Python, Java, LabVIEW
* Technologies: Laser Cutter, Arduino, KiCAD, OrCAD, OADS, Unreal Engine
* Soldering

**Areas of Interest**

* Embedded Systems
* Internet of Things
* PCB Design
* PCB Layout
* Drones
* AI

**Type of Project Sought**

* Application of Virtual Reality in an industrial setting:
  + Real-time visualization of OBD data from automotive vehicles. Application would include 3D visualization of vehicle sensor readings and appropriate responses
  + Application to scan a room and interpret geometry to make an accurate 3D model for use in CAD drawings and virtual environment visualizations
* Predictive analytics software for monitoring manufacturing lines and understanding components at risk of needing maintenance