ADAM IANTORNO

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SUMMARY OF QUALIFICATIONS

- Skilled in producing CAD models and engineering drawings using **SolidWorks, AutoCAD and Siemens NX**
- Working experience designing circuits with **Altium 365** and **soldering components** and wires
- Proven ability to quickly learn new design and programming tools to be an asset on engineering team
- Self-taught programming experience with **Object-Oriented programming, Rest APIs, C++, Python, and Web Dev**
- Adept in balancing concurrent deadlines in task-oriented environment with minimal supervision
- Self-starter experienced in **quality assurance, mechanical design, and testing custom hardware solutions**

WORK EXPERIENCE

Mechatronics Engineer, Electrans Technologies Ltd.

Oakville, Ontario   *Jan 2022– April 2022*

- Designed and built fixture to test sensors and pneumatics with custom firmware before being integrated into final system by creating SolidWorks model, designing schematic in Altium, and sourcing components
- Designed automotive wire harness with diagramming software and sourced IP6k9k connectors
- Programmed Arduino function that converts UART signals to J1939 CAN to communicate with vehicle
- Created 3D models and engineering drawings using SolidWorks of sheet metal brackets for product fixture

Software Engineer, GrantMatch

Toronto, Ontario   *May 2021– Oct 2021*

- Created web app using Python and Rest APIs to track and process client invoices and legal documents
- Led software team and collaborated with data team in design for new SaaS product for small businesses
- Developed referral form function with React JS front-end framework to acquire new clients for company

Autonomous Driving Sensors Diagnostics Lead, Alternative Fuels (Eco-Car) Design Team

Waterloo, Ontario   *Sep 2019 - Aug 2020*

- Programmed C++ radar diagnostic algorithm in ROS which was implemented into vehicle firmware
- Analyzed collected sensor data using MATLAB to determine sensor error values and ranges
- Designed unit test cases for sensors and diagnostic algorithm by performing DFMEA analysis

Quality Assurance Engineer, 416 Automation Inc.

Toronto, Ontario   *Jan 2020 - May 2020*

- Analyzed data from over 1000 tests with Python NumPy & Pandas to set error ranges on ultrasonic sensors
- Operated ultrasonic machine to perform quality assurance and generate machine sequence files
- Created product marketing card with Microsoft Office, attracting 2 large automotive clients for business

EDUCATION

University of Waterloo Bachelor of Applied Science Candidate   2019 - Present

Appleby College and Ontario Secondary School Diploma Recipient   Graduated June 2019

KEY PROJECTS

Personal Website: adamiantorno.github.io (for additional information)

All key engineering projects can be found in detail on the attached project portfolio