ADAM IANTORNO

289-952-1707 | aiantorn@uwaterloo.ca | linkedin.com/in/adam-iantorno|adamiantorno.github.io

SKILL & QUALIFICATIONS:

- **Design:** AutoCAD, Siemens NX, SolidWorks, MATLAB, Microsoft Office
- **Programming**: C++, Python (Pandas & NumPy), HTML & CSS, Atom Editor, Linux Environment
- Adept in working in a task-oriented environment and being a consistent problem-solver
- Proven ability to concurrently work on multiple tasks both independently and with coworkers
- Resourceful self-starter with willingness to learn and be great asset to company
- Strong leadership background with a focus on effective communication and project management

EDUCATION:

Candidate for Bachelor of Applied Science, Mechanical Engineering

University of Waterloo, Waterloo, ON   *September 2019 – Present*

Appleby College, Oakville, ON   *September 2015 – July 2019*

- 4.0 GPA, Silver Duke of Edinburgh Award, Captain of Varsity Cross-Country, Model United Nations (MUN)

RELEVANT EXPERIENCE:

Engineering Intern, 416 Automation INC. 4

Toronto, ON   *January 2020 – May 2020*

- Responsible for generating sequence files, troubleshooting, and operating ultrasonic liftgate leak tester
- Debugging and maintaining Python data analysis scripts that turn leak tester data into 60 separate histograms
- Performed thorough data-analysis to pair ultrasonic transducers and set their ranges for leak detection
- Created leak tester marketing line card which attracted two large automotive companies for business

UWAFT Ecocar Subteam Safety Lead 3

University of Waterloo, Waterloo, ON   *September 2019 – Present*

- Spearheaded revision of previously performed analyses such as STPA, and DFMEA over various subsystems
- Collaborated with several UWAFT sub teams to overhaul the RTM over the spring term
- Identified possible faults that can occur in sensor data that will pass diagnostics yet fail in sensor fusion

Salesperson, COBS Bread

Mississauga, ON   *March 2019 – December 2019*

- Delivered prompt, friendly customer service and handled front-end duties such as cash handling
- Mentored employees on serving customers and maintaining a bakery to meet company standards

KEY PROJECTS:

Diagnosed Data from Sensors DBC Files

UWAFT Ecocar, Waterloo, ON (code confidential)   *April 2020 - Present*

- Formulated a list of over 100 potential sensor error messages that will impact object detection and vehicle ACC
- Tested real data collected from the Bosch Radars through MATLAB to identify appropriate error ranges
- Implemented sensor diagnostics algorithm in Linux ROS to stop ACC based on error message

Asana API Task Updater

416 Automation, Toronto, ON (code confidential)   *March 2020*

- Built python script that utilizes RESTful interface API to update company wide project registry
- Created user interface for script to allow supervisors to easily update projects

RC Tennis Companion

Appleby College, Oakville, ON   *March 2019 – June 2019*

- Designed and built with group a remote-controlled tennis ball collector using Vex robotics
- Researched and presented sources of error, possible improvements, and applications of project

LEADERSHIP AND VOLUNTEER EXPERIENCE:

School Prefect 3

Appleby College, Oakville, ON   *July 2018 – August 2019*

- Implemented school-wide and local fundraising events to promote student well-being and unity
- Lead weekly student and faculty assemblies to instill school unity and promote opportunities within school

South Africa Biology Co-op Trip 2

Operation Wallacea, Balule Nature Reserve, ZA   *March 2017*

- Surveyed South African safari and marine life to analyze plant deviation and coral reef pigmentation
- Composed a research paper on the traumatic effects of elephant migration routes on the reserve's vegetation