Cristiano Iacobelli

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Personal Portfolio

Skills & Abilities

- Fluent in spoken and written English and French.
- Experience in the following computer skills:
    - Python, CAD (Solid Works, Fusion 360, Solid Edge), Android Studios (Kotlin, Java, xml), HTML, css, MATLAB (Simulink, Stateflow), Arduino IDE, Unity (C#), C, Microsoft Office, Github, CAN, DBC, Django.
- Lab experience using each of the following methods of manufacturing once:
    - turning, milling, drilling, grinding, waterjet cutting, plasma cutting, welding, tension, compression, bulk forming, sheet metal forming, rolling, extrusion, hydroforming, deep drawing, bending, and punching.

Experience

Engineering Technician
Svante (website)   **March 2023 – Present**

- In the process of designing and implementing a 3D laser measurement system. This project consists of mechanical, electrical, and programming design.
- Purchased and set up large testing equipment. Made sure it worked properly, created a booking system, created a dynamic maintenance schedule, created documentation and more.
- Designed, tested, and presented analyzed results for a variety of tests. Used DMA (dynamic mechanical analyzer), Rheometer, industrial oven, and other unique apparatus.

Engineering Intern
INTGR8 Technologies Inc. (website)   **May – August 2020 & May – August 2021**

- Developed a controls system that controlled our test vehicle's top speed (based on a speed limit), acceleration and headway. Mainly programmed in MATLAB and Simulink.
- Designed and 3D printed case for the controller.
- Made multiple harnesses and installed them in the test vehicle.
- Worked on android studio code that takes data from map SDK's and began to integrate MapBox Vision SDK into it as well.
- Designed concepts and renderings for a semi-autonomous Last Mile delivery vehicle using Fusion 360.

Fuel Cell Production
CORE Energy Recovery Solutions (website)   **May – August 2019**

- Responsible for housing, leak testing and packaging fuel cell humidifiers.
- Filled out Excel spreadsheets.
- Observed and talked to engineers about their projects.

Education

Queen's University   **Sept 2018 – May 2022**
Mechanical Engineering, BASc