Michael Huynh

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Brief Summary: Seeking a new grad Mechanical Engineering position in the CAD and/or CAM field to leverage my SolidWorks expertise, creativity, and passion for problem-solving to contribute to the success of an innovative and dynamic organization.

Work Experience

Amego Electric Vehicles **Toronto, Ontario**

Electric Bicycle Technician May 2023 - Present

- Performed diagnostics, troubleshooting and repair for both the electrical and mechanical systems on electric bicycles.
- Applied extensive knowledge of bicycle mechanics to increase the per-day output rate of new-in-box bike builds by up to 50%.

Cycle Butik **Toronto, Ontario**

Bicycle Mechanic Apr 2018 - Sep 2022

- Exercised attention to detail while troubleshooting mechanical issues while performing tune-ups, repairs, and adjustments on bicycles to increase safety and ensure customer satisfaction.

Education

Toronto Metropolitan University **Sep 2018 - Apr 2023**

Bachelor of Mechanical Engineering

Relevant Courses:

MEC825: Mechanical Design

- Lead CAD designer and 3D printing specialist while working in a group of 4 to design and build a proof-of-concept for a gas-powered, propeller lift device by retrofitting a ⅛ scale nitro-engine race car with 3D printed and machined parts.
- Design contributions informed how the device would be manufactured and assembled, as well as what dynamic calculations would be performed to ensure adequate performance.

MEC830: Mechatronics Systems Design

- Designed and built an object-avoidance robot that can drive, and steer using a single actuator and innovative gearbox design.
- Designed and built a self-balancing inverted pendulum that employed a PID closed-loop control system.

Skills & Interests

- **Skills:** Certified SolidWorks Associate (CSWA) in Mechanical Design, usage and maintenance of desktop FDM 3D printers, 3D printing, problem solving, positive, analytical skills, design and repair of electromechanical devices.
- **Interests:** 3D printing / rapid prototyping, automation and robotics, bicycle mechanics.
- **Languages:** English, Vietnamese.