

# Aidan Bruneel

SYSTEMS ENGINEER · SOFTWARE DEVELOPER · EDUCATOR

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## Work Experience

### Robarts School for the Deaf

TEACHER OF THE DEAF

London, ON

Jan. 2022 - Feb. 2022

- Plan and deliver lessons to Deaf students for secondary courses in Mathematics, Science, and Technology.
- Collaborate with ASL Interpreters to establish clear STEM vocabulary between English and ASL.
- Create and supervise coding club with eight students to spark passion for computer science in Deaf youth.

### Schaeffler Canada, Inc.

PROCESS ENGINEERING LEADER INTERN

Stratford, ON

May. 2019 - Aug. 2020

- Item.
- Item.
- Item.

### Continental Tire Canada, Inc.

PRODUCT DESIGN STUDENT ENGINEER

Chatham, ON

May. 2018 - Aug. 2018

- Apply detailed GD&T to engineering drawings for machinists to manufacture fixtures and performance equipment.
- Item.
- Item.

### Continental Tire Canada, Inc.

PRODUCT TESTING STUDENT ENGINEER

Chatham, ON

May. 2017 - Aug. 2017

- Design measurement fixtures to test all product lines for vibration, pressure leak/vacuum, corrosion resistance, etc.
- Compile and visualize test data to provide to product design engineers.
- Communicate about design specifications with machinists and technologists.

## Education

### Western University

BESC MECHATRONIC SYSTEMS ENGINEERING

London, ON

Sep. 2016 - Apr. 2021

- **Courses:** Robotic Manipulators, Control Systems, Embedded Systems, Microprocessors, Image Processing, Signal Processing.
- **Capstone Project:** "A Haptic Guidance System to Assist Persons with Blindness to Reach Points of Interest"

## Awards & Certifications

### AWARDS

- 2021 **Dean's Honour List**, Western University
- 2019 **Dean's Honour List**, Western University
- 2017 **NSERC Experience Award**, NSERC
- 2017 **Dean's Honour List**, Western University
- 2016 **The Western Scholarship of Excellence**, Western University

London, ON

London, ON

Chatham, ON

London, ON

London, ON

### CERTIFICATIONS

- 2019 **Certified SolidWorks Associate in Simulation**, Dassault Systèmes
- 2017 **Certified SolidWorks Associate in Mechanical Design**, Dassault Systèmes
- 2017 **Advanced Metal Shop Training**, Western University

London, ON

London, ON

London, ON

## Technical Skills

### LANGUAGES

C++ C Python Visual Basic for Applications (VBA) Java Assembly LaTeX

### TOOLS

Arduino SolidWorks Catia V5 Matlab/Simulink Visual Studio Visual Studio Code Git/GitHub

### FRAMEWORKS & LIBRARIES

OpenCV NumPy ROS TensorFlow Matplotlib