Aidan **Bruneel**

SYSTEMS ENGINEER · EDUCATOR · SOFTWARE DEVELOPER

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Work Experience

Teacher of the Deaf   *London, ON*
ROBARTS SCHOOL FOR THE DEAF   *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.

Process Engineering Leader Intern   *Stratford, ON*
SCHAEFFLER CANADA, INC.   *May. 2019 - Aug. 2020*
- Item.
- Item.

Product Design Student Engineer   *Chatham, ON*
CONTINENTAL TIRE CANADA, INC.   *May. 2018 - Aug. 2018*
- Apply detailed GD&T to engineering drawings for machinists to manufacture fixtures and performance equipment.
- Item.

Product Testing Student Engineer   *Chatham, ON*
CONTINENTAL TIRE CANADA, INC.   *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 then present to product design engineers.

Projects

Haptic Guidance System to Assist Blind Persons to Locate Points of Interest   *London, ON*
WESTERN UNIVERSITY   *Sep. 2020 - Apr. 2021*
- Item.
- Item.

Production Launch of Honda Wheel Bearing   *Stratford, ON*
SCHAEFFLER CANADA, INC.   *May. 2019 - Aug. 2020*
- Item.
- Item.

Education

BESc Mechatronic Systems Engineering   *London, ON*
WESTERN UNIVERSITY   *Sep. 2016 - Apr. 2021*
- **Courses**: Robotic Manipulators, Control Systems, Embedded Systems, Microprocessors, Image Processing, Signal Processing.
- **Academic Awards**: Dean's Honour List (2021), Dean's Honour List (2019), Dean's Honour List (2017), Scholarship of Excellence (2016).
- **GPA**: Overall = 3.7/4.0. Two-Year = 3.9/4.0.

Awards & Certifications

AWARDS

2017   **NSERC Experience Award**, NSERC   *Chatham, ON*

CERTIFICATIONS

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