

# Anthony Michael Pasquariello

## Mechatronics Engineer

Practical and versatile mechatronics engineer with experience on the troubleshooting process. Seeking to put proven skills in process and production design.



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Vaughan, Canada



anthap.github.io/website/

## SKILLS

Autocad

Solidworks

Matlab

Simulink

Python

C/C++

SQL

Power BI

Visual Studio

3D Printing

Machine Shop

Flexsim

FANUC Robots

Teamwork

Communication

## INTERESTS

Tinkering with electronics

Swimming

Photography

Hockey

Learning to speak Italian

## WORK EXPERIENCE

### Advanced Process Engineer Woodbridge Foam Corporation

10/2018 - Present

Woodbridge, ON

#### Achievements/Tasks

- Designed, tested, and established lean manufacturing procedures for multiple robotic automation cells leading to a 50% reduction in labour costs and 35% reduction in material costs while improving cycle time and maintaining up-time.
- Utilized data visualization tools, such as Power BI, to make clear, concise, and easy to understand visual representations of complex data models to help drive better decision making.
- Created pipelines and automated scripts to collect and process manufacturing data, eliminating manual data collection and calculation.
- Organized, participated, and helped secure \$100,000 in funding for automation and robotic training. Training was delivered to over 75 teammates internationally.
- Managed numerous roll-out projects ensuring they remained on schedule and presented project statuses to senior management.

### Engineering Associate Celestica

01/2018 - 10/2018

Toronto, ON

#### Achievements/Tasks

- Designed and implemented cost saving fixtures using innovative manufacturing processes and materials improving overall fixture quality and practicality.
- Spearheaded and oversaw the shipment of millions of dollars of assets and created organizational tools to help with asset transfers.
- Coordinated with suppliers to implement and troubleshoot new, intuitive, and defect reducing manufacturing processes.
- Developed several Excel macros using VBA automating simple tasks to increase productivity and efficiency on the manufacturing floor.

## EDUCATION

### BASc - Honours Mechatronics Engineering University of Waterloo

09/2012 - 06/2017

Waterloo, ON

## PERSONAL PROJECTS

### Environmental Sensor Network

- Developed a network of air quality sensors to detect harmful concentrations of gases and dust in urban areas.

### Myo Controlled Robotic Arm

- Built a robotic arm and developed a program that allowed the user to control it using a Myo armband.

### Search and Rescue Robot

- Lead mechanical designer in completing an autonomous search and rescue robot.

### Personal Website and Portfolio

- maintaining personal website while applying HTML, CSS, and JavaScript skills.