

Anthony Pasquariello

2B Mechatronics Engineering
28 Jason St., Concord, Ontario L4K 3G5
apasquar@uwaterloo.ca | 647.784.0769

EDUCATION

UNIVERSITY OF WATERLOO

BACHELOR OF APPLIED SCIENCE IN
MECHATRONICS ENGINEERING
Expected May 2017 | Waterloo, Ontario

ST. ELIZABETH CHS

Grad. June 2012 | Thornhill, Ontario

COURSEWORK

UNDERGRADUATE

Courses taken in both mechanical and electrical design include:

Sensors and Instrumentation
Mechanics of Deformable Solids
Data Structures and Algorithms
Micro Processors and Digital Logic
Computer Structures and Real Time Systems
Linear Systems and Signals

SKILLS

- Understanding of C/C++, Ruby, and RobotC programming
- 2D AutoCAD drafting and 3D modeling using NX
- Knowledge of web-based programming including HTML, CSS, and familiar with Javascript
- Experience with PLC, Matlab, and VHDL programming through course instruction
- Excellent written and verbal communication skills acquired in an instructional work setting
- Familiar with planning and development methodologies
- Machine shop experience which includes working with a lathe, mill, and bandsaw

INTERESTS

- Arduino prototyping and programming
- Member of the Waterloo Robotics Racing Team
- Current Events
- Sports: Hockey, Tennis, and Swimming

EXPERIENCE

PIVOTAL LABS | AGILE TEST ENGINEER

April 2014 – August 2014 | Toronto, Ontario

- Created automated scripts in Ruby for testing mobile and web applications.
- Excelled in an agile work environment, working alongside software engineers and attending meetings with clients.
- Designed and executed test plans for numerous mobile and web applications ensuring clients received quality products.
- Used Pivotal Tracker, an agile project management tool, which required clear and concise communication skills.

MULTIMATIC INC | TEST ENGINEER ASSISTANT

January 2013 – April 2013 & September 2013- December 2013 | Markham, Ontario

- Designed testing setups for component testing to meet design specifications.
- Analyzed data after running tests on MTS actuators and an Instron Tensile Tester using Microsoft Excel.
- Acquired a greater attention for details by carefully inspecting tested samples for imperfections.

UNIVERSITY HEALTH NETWORK | ASSISTANT RESEARCH TECHNICIAN

July 2012 – August 2012 | Toronto, Ontario

- Completed and presented a cancer research project at Princess Margaret Hospital under the supervision of Dr. Tsao to a panel of distinguished judges.
- Learned and performed many complex biological procedures such as cell culturing, plasmid purification, and DNA/RNA isolation.
- Gained the ability to learn quickly, adapt, and manage my time based on the project at hand.
- Improved my knowledge of the biological applications in mechatronics by observing robotics used in the laboratory.

CITY OF VAUGHAN | SWIM INSTRUCTOR & LIFE GUARD

September 2010 – June 2012 | Vaughan, Ontario

- Taught lifesaving and swimming skills to students aged 3-14 and prepared written plans, and evaluations upon term completion.
- Maintained a professional image while creating a positive learning environment for students and being a positive role model.

RELEVANT PROJECTS

MINDSTORM ROBOTICS PROJECT

- Worked with a team to design and build a robot to play Tic-Tac-Toe with humans using sensors and actuators.
- Programmed and debugged the robot to effectively interact with humans using RobotC.

TRUSS DESIGN

- Designed and built a bridge to hold more than 400 times its own weight using balsa wood.
- Performed failure analysis on the bridge to predict the failure mode.