


BOBBY NGUYEN

MECHATRONICS ENGINEERING

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bobbynguyen.me 

TECHNICAL SKILLS

DEVELOPMENT

C++, Java, Assembly, Visual Basic,
HTML & CSS, Selenium, Appium, Maven

SOFTWARE TOOLS

JIRA, cron, Bash, Zephyr, Git, Charles
Proxy, Arduino, Android Studios

MECHANICAL TOOLS

AutoCAD, SolidWorks, PICS Pro

EDUCATION

Mechatronics Engineering

University of Waterloo | Class of 2021

Relevant Courses: Algorithms & Data
Structures, Engineering Graphics Design,
Digital Logic & Micro Processors, Sensors &
Instrumentation.

Android Basics

Udacity | August 2017

Developed strong fundamental Android app
development skills in building XML layouts,
creating multiscreen and interactive
applications.

INTERESTS



Urban Fashion



Cycling



Arduino Projects / Creations



Home Automation

EXPERIENCE

Clearbridge Mobile

Software Mobile Developer in Test | Jan. 2018 - Apr. 2018

- Designed and developed an automated program that installs the latest iOS and Android builds, executes the regression test suites and outputs the results on a set time schedule using Java, Selenium, Appium, Maven, cron and Bash
- Transformed manual test suites into automated scripts freeing 50% of required time for sanity, smoke, and regression tests
- Tested NBC, Sunwing, and Rogers Inc. mobile and web applications serving 1 000 000+ users

Sun Life Financial

Support Specialist | Apr. 2017 - Aug. 2017

- Professionally troubleshooted and assisted 1000+ corporate clients with hardware and software issues to streamline workflow
- Repaired defective hardware components for re-use of corporate devices reducing up to 20% of replacement costs
- Tested and reported bugs for software often used by clients to prevent productivity disruptions

Dillon Consulting Limited

Engineering Intern | Jun. 2015 - Aug. 2015

- Utilized AutoCAD software to calculate surface areas and volumes of buildings in order to install industrial air-conditioning units for clients
- Measured and reported 50+ damaged Hamilton-Wentworth municipal road cuts to be repaired

PROJECTS

Arduino Garage Parking Assistant

- Built and developed an Arduino robot using ultrasonic sensors and coloured LEDs to assist users parking in their tightly spaced garage

Beer-Pong Robot

- Created with the combination of motors, gears, sensors, and C++, the Beer-Pong Bot autonomously aims and align to fire ping-pong balls into the opponent's cup with 75% success