

GEORGE TRIEU

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EDUCATION

Queen's University

September 2019 - April 2023

Bachelor of Applied Science in Computer Engineering, Innovation

GPA 4.2/4.3

- Received the *Schulich Leaders* scholarship, the biggest and most prestigious STEM scholarship in Canada

EXPERIENCE

Fleet Complete

July 2019 - August 2019

Automation Developer Intern

Toronto, ON

- Developed test automation scripts using Javascript, Cucumber.js, and Appium to provide quality assurance for both web and mobile applications
- Used RESTful APIs to create and verify test information against application information
- Presented new developments through daily stand-up meetings, and JIRA in an Agile/Scrum work environment

PROJECTS

Macro Keyboard

github.com/geotrieu/macrokeyboard

- Designed a custom HID-compliant device that provides media and joystick controls
- Developed using the STM32 micro controller, alongside the Arduino software
- Programmed using the Arduino C language, with libraries such as USBComposite and WS2812B

ShapesTD

github.com/geotrieu/shapestd

- Created a 2D tower defense game developed from scratch using C#
- Graphical interface created using Microsoft's GDI+ Graphics

PotholePal

github.com/geotrieu/potholepal

- Created a robot programmed in Arduino C which finds and reports potholes on roads using ultrasonic sensors
- Awarded 3rd place at UofTHacks VI out of 547 participants

Chute

github.com/geotrieu/chute

- Built a smart IoT trashcan that detects trash levels using photo-resistors, and reports usage statistics to an iOS application
- Implemented a lightweight messaging protocol (MQTT) to connect the trashcan and the iOS application
- Awarded 2nd place at ECHacks III out of 91 participants

CERTIFICATIONS & SKILLS

Cisco Certified Network Associate (CCNA)

February 2020

Cisco Systems Inc.

Languages

Java, C#, C, Javascript

Frameworks and Tools

Node.js, Cucumber.js, Appium, React.js

Miscellaneous

Arduino, Git, MySQL, MQTT