

Scottie Yan

1B Mechatronics Engineering

CONTACT

www.scottie.me

226-700-9980

yan@scottie.me

github.com/ScottieY

SKILLS

Programming

C++, Swift, JavaScript, Node.js

Python, Java

CAD

AutoCAD, SolidWorks

Hardware

Arduinos, Microcontrollers

Tools

AWS, Vim, Xcode, Bash

Others

Time Management, Teamwork

Quick Learning, Planning

Design Team

Formula Motorsport

2015 – present | Waterloo, ON

EDUCATION

University of Waterloo

Mechatronics Engineering

2014 – present

Activity: Fencing Club

INTERESTS

Hacking, Running, Swimming

Travelling, Learning

EXPERIENCE

Software Developer | Pearl Inc

Mar 2015 – present | Waterloo, Ontario

- Developing iOS app with Swift
- Developing backend RESTful API with Node.js
- Working with Amazon Web Services

Technical Reviewer | Packt Publishing

Jun 2015 – present

- Review **Arduino iOS Blueprints**
- Giving critical comments about control and programming the interface of Arduino with iOS

Scouting Leader | Raider Robotic FRC Team 5024

Sept 2013 – Apr 2014 | London, Ontario

- Recorded and analyzed other team's statistics
- Made strategic plan and organized meeting
- Built the drivetrain and proposed robot arm design
- Recruited members and participated outreaches

PROJECTS

Binary Clock

Dec 2014 – Dec 2014

- Displayed time in bright/dim block on a LCD screen within binary format
- Utilized potentiometer to adjust brightness of LCD screen
- Programmed with Arduino

Automatic Parallel Parking Vehicle

Nov 2014 – Dec 2014

- Developed a car that finds available parking space along roadside
- Programmed with LEGO NXT brick with RobotC language
- Utilized ultrasonic sensor, touch sensors and motor encoders

Hydrogen Fuel Cell Car

Oct 2013 – Nov 2014

- Developed a car powered by PEM hydrogen fuel cell
- Programmed with MSP430 micro-controller
- Utilized intensity sensors to escaped the mazes

ACHIEVEMENTS

- Recipient of President's Scholarship of Distinction from University of Waterloo May 2014
- Qualified to 2014 FRC Championship Competition April 2014
- Won Regional Rookie All Star Awards (Windsor-Essex) April 2014
- Top 2% in Euclid Math Contest June 2013