ChathunKurera

2A Electrical Engineering

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Hardware
Computer Assembly
Arduino • Sensors
Soldering • Electronics
Robotic Hardware

Programming
Android • Java
C# • C++ • Python
HTML • CSS
Processing • LaTeX
VHDL • Live-code
MATLAB

IDE & Tools
Android Studio
Eclipse • Ms Office
Arduino IDE
Visual Studio
Altera Quartus II

OS Preference
Windows ★★★★★
Linux ★★★★☆
MacOS ★★☆☆☆

Virtualization Tech
Microsoft Hyper-V
Oracle VirtualBox

Personal Skills
Team Player
Quick learner
Self-motivated

Experience

01/15 - 05/15 **Junior Technical Support Specialist** — ECE-RCSG, University of Waterloo
09/15 - 12/15
• Configured new computers by deploying and upgrading operating systems and software.
• Researched, diagnosed and provided troubleshooting assistance to professors and graduate students in Windows, Linux and Mac operating systems.
• Programmed and configured network ports.

2012 - present **Freelance Technical Support**
• Upgraded computer hardware, software and drivers for clients.
• Identified and resolved issues in smartphones and tablets.

01/11 - 12/14 **Design Team Head - Robotics Club** — FIRST Robotics Competition
• Supervised and coordinated the design team to build a robot that shoots hoops.

Projects

11/2015 **Arduino Radar** — github.com/ychathun/Arduino-Radar
• Programmed Arduino to obtain serial data from an ultra-sonic range sensor
• Designed a GUI in Processing to display range data

11/2015 **Myo Tic Tac Toe** — github.com/ychathun/TicTacToe
• Developed tic-tac-toe game to be played using two Myo arm bands
• Designed a GUI for the game using Processing

06/2015 **GPS app - Android** — github.com/ychathun/GPS—Android
• Calculated and displayed a path between two points
• Provided voice and visual navigation
• Programmed a pedometer using accelerometer and magnetometer sensors and displayed user location on the path

Education

2014 - 2019 **BASc. in Electrical Engineering** — University of Waterloo
Main subjects: Physics for Scientists and Engineers I and II, Linear Circuits, Digital Circuits, Embedded System and Android Programming, Calculus.

2011 - 2014 **Ontario Seconday School Diploma** — St. Marguerite D'Youville S.S.
Main subjects: Academic Physics & Chemistry, Calculus and Vectors.

Interests

• Playing the keyboard, harmonica and singing. • Sports: Basketball, Cricket, Table tennis.
• Taking apart electronics and putting them back together.