ChathunKurera
Electrical Engineering

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Address
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Hardware
Computer Assembly
Arduino Uno
Sensors
Soldering
Electronics
Raspberry Pi
Robotic Hardware

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

Simulation & Others
Git • Android SDK
SVN • Visual Studio
Microsoft Suite
CAD • Arduino IDE
Eclipse • Multisim
ModelSim Altera

OS Choice
Windows ★★★★★
Linux ★★★★☆
MacOS ★★★★☆

Virtualization
Microsoft Hyper-V
Oracle VirtualBox

Personal Skills

Experience

01/15 - 05/15 08/15 - 12/15	**Junior Technical Support Specialist**	ECE-RCSG, University of Waterloo

• 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 using University of Waterloo Open Network Administrator(ONA)

01/12 - 12/15   Freelance Technical Support   Brampton, Kitchener, Waterloo
• Upgraded computer hardware, software and drivers for clients.
• Identified and resolved issues in smartphones and tablets.

01/12 - 02/14   Design Team Head - Robotics Club   FIRST Robotics Competition
• Supervised/Coordinated the design team to build a robot that shoots hoops.
• Participated in FIRST Robotics Competition

Projects

Current   Speech Calculator   github.com/ChathunKurera
• Programming a calculator on Arduino using a seven segment LCD display
• Using test-to-speech feature of the Macbook to recognize commands

11/2015   Arduino Radar   github.com/ChathunKurera/Arduino-Radar
• Programmed Arduino to obtain serial data from an ultra-sonic range sensor
• Designed a GUI in Processing to display range data from 2cm - 4m

11/2015   Myo Tic Tac Toe   github.com/ChathunKurera/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/ChathunKurera/GPS—Android
• Calculated and displayed a path between two points
• Provided voice and visual navigation
• Programmed a pedometer using accelerometer and magnetometer sensors

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

• Instrumentalist (keyboard, harmonica) and singing • Hacking hardware
• Sports: Basketball, Cricket, Volleyball, Table tennis.
• Taking apart electronics and putting them back together.