

Joel Zeng

Software Developer

LINKS

 Github
 LinkedIn
 Website
 Email

SKILLS

Proficient

Python • C • C++

Intermediate

Java • HTML • CSS

Comfortable

JavaScript
(Node • React • Redux)

TECH

Android Studio • Arduino
Adobe Software • Github
XCode

LANGUAGE

Spanish : Native
English : Fluent
Cantonese : Oral

EDUCATION

University of Waterloo

Candidate for Bachelor
Computer Science
Expected Fall 2018

COURSES

- Algorithms
- Data Structure and Management
- Networks
- Cryptography
- Security and Privacy
- User Interfaces

INTERESTS

Photography
Video Editing
Guitar
Cooking
Travelling

Experience

Horizon Engineering Solutions ON, Canada

Jan 2016 - May 2016 | Software Developer Intern

- Implemented an elementary machine learning algorithm trainable through pseudo data
- Solely developed a sensor device prototype logistic with Arduino and Zigbee
- Improved back-end communication and data management on a local server with Zigbee sensor devices by optimizing and modularizing the source code
- Solely constructed a sensor module prototype with Zigbee technology and Arduino
- Designed a printed circuit board (PCB) layout for a prototype circuit board
- Designed a sensor module prototype casing through 3D modelling and printing
- Designed a UI/UX layout for a mobile application which displays and manages data from sensor devices and company's server

Noverama S.A PA, Panama

Jan 2009 - Mar 2012 | IT Service Technician and Retail

- Supported in cellular devices' repairs following standard testing procedures and instructions from a senior technician
- Provided technical support to customers, explaining features and usage of different electronic products
- Actively involved in the marketing of electronic devices

Projects

NotePad

Apr 2017 | Front-end - JavaScript

- Front-end Basic Notepad application implementing react and redux js
- Application provides temporal note writing and saving capabilities

StudySqr hackathon

Jan 2015 | Android - Web Application

- Mobile application with a web interface that allows user to join and create sessions
- Application uses a common back-end to store and fetch data that populates the mobile application as well as the web application

Translaid hackathon

Nov 2015 | Arduino - Lua - Processing

- Application that converts motion data from the Myo Arm-band into text and sound
- Myo Arm-band API is used to extract data which is mapped to a finite set of commands and processed to output text to screen and sound

Volunteering

University of Waterloo Orientation Leader

Aug 2015 | University of Waterloo, Math Faculty

- Assisted with orientation events that aided new students' adjustment to university

Spanish Tutor

Aug 2014 - Dec 2016 | University of Waterloo, Cultural and Language Exchange Club

- Provided conversational and grammatical Spanish lessons on a weekly basis