



THERESA DO

Electrical Engineering Student

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TECH TOOLBELT

Software

LTSpice
Multisim
MATLAB
ArcGis
MS Office

Operating systems

Windows 8.1/10
Mac OS X

Hardware

MC68HC11
Raspberry Pi
Oscilloscope
Function generator
Multimeter
Soldering iron

Languages

Assembly
PHP
Python
Ruby

Version Control

GitHub

Databases

MySQL
MongoDB
SQLite3
PostgreSQL

Frameworks

Ruby on Rails
AngularJS
Socket.io
CodeIgniter
Bootstrap

Methodology

TDD
CRUD
RESTful Architecture

EDUCATION

Eastern Washington University 2016-2018
Electrical Engineering

Coding Dojo, Bellevue, WA 2015-2016
Web Development

University of Washington 2010-2014
Geographic Information Systems (GIS)

EXPERIENCE

VISUAL DATA SPECIALIST (Contract) 2014-2015
Google | Bothell, WA

Insured that Google Map features remained as accurate and current as possible by performing evaluations of specific data sets, and responding to the results accordingly. Analyzed data and made decisions based on policies as set by quality control. Tested new program algorithms and wrote summary feedback documents for Google engineers. Created and help set workflow policies for teams in Tokyo and India.

PROJECTS

Traffic Lights Implementation

Worked in a team of 2 to design a logic circuit for a four way stop. Modeled and simulated the circuit using Multisim. Red and green lights were 6 seconds long while yellow lights were 3 seconds.

Binary adder

Worked in a team of 2 to design a 4-bit adder and display the sum using two seven segment displays. Applied basic knowledge of boolean logic and truth tables to get number combinations up to 30.

Coverage-area Assessment Tool

Created a general user-friendly evaluation tool with Python scripting in Canopy. Worked with NLCD and HUC datasets in ESRI ArcMap to test and run scripting tool. Built a relationship with client to make sure their needs were met with final product. Produced sample map products and tables generated from the scripting tool

Bright Ideas (Ruby on Rails)

Web app that allows a user to post an idea for other users to see. Current users can log in, post a new idea or like current ideas created from other users. Only the idea creator can delete their own post. Created database schema and model for fully functional app within four hours.