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THERESA DO
Electrical Engineering Student

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
SQLite3
PostgreSQL

Frameworks
Ruby on Rails
CodeIgniter
Bootstrap

Methodology
TDD
CRUD
RESTful Architecture

EDUCATION

Eastern Washington University	2016-2018
B.S Electrical Engineering	

Coding Dojo, Bellevue, WA	2015-2016
Web Development	

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

EXPERIENCE

VISUAL DATA SPECIALIST	2014-2015
Google via Randstad	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
Collaboratively worked 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. 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. Created database schema and model for fully functional app within four hours.