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
Python
Ruby

Version Control
GitHub

Databases
MySQL
SQLite3
PostgreSQL

Frameworks
Ruby on Rails
Bootstrap

EDUCATION

Eastern Washington University, Seattle Campus 2016-Dec 2018
B.S Electrical Engineering

Coding Dojo, Bellevue, WA 2015-2016
Web Development

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

WORK EXPERIENCE

VISUAL DATA SPECIALIST 2014-2015
Google via Randstad | Bothell, WA

Ensured accuracy and relevancy of Google Maps features by evaluating, analyzing, and responding to data sets based on policies set by quality control. Assessed and improved program algorithms by providing reports and feedback to Google engineers. Created and established workflow policies for teams in Tokyo and India.

PROJECTS

Traffic Light Controller 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 to design a 4-bit adder, displaying the sum using two seven segment display. Applied boolean logic and truth tables to produce number combinations up to 30.

Music Implementation with MC68HC11 Microcontroller
Successfully implemented the song Marriage d'amour using the MC68HC11 development board by coding in Assembly Language.
Calculated the frequency of each note by transcribing the piano sheet music.

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.
Built cliental relationships, addressed users needs and provided sample map products and tables from scripting tool.

VOLUNTEER WORK

Vietnamese Eucharistic Youth Movement 2009-Present
Youth Leader