

Morgan D. Monzingo

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Dallas, TX

EDUCATION: Texas A&M University

Graduation Date: May 2018

Dwight Look College of Engineering, College Station, TX

Bachelor of Science in Computer Science

Minor in Math

RELEVANT Graphical User Interfaces, Assembly Language, Database Concepts, Programming Languages, Algorithms,

COURSES: Data Structures, High Performance Scientific Computing, Principles of Computer Science I & II

SKILLS: C++, Qt, Java, HTML, CSS, Visual Basic, Python, Bash, Javascript, JSON, XML, AngularJS, Excel, Ampl, Netbeans

ENGINEERING PROJECTS:**Engineers Without Borders SMU – Bolivia**

2015 - 2016

This project is focused on developing a system that will bring potable water for a community, Llojlla Grande, in Bolivia. The first assessment trip was completed in summer of 2015. We collected data on 40 handdug wells, 30 families and a local clinic regarding quality of life, daily need and daily tasks. Currently there is an implementation trip scheduled for spring 2017. I was project lead from January of 2015 to June of 2016.

Easync

Fall 2015

Graphical User Interfaces final project. Collaborated with a team of 7 to create a product that would make scheduling meetings more efficient. The team used the Javascript framework AngularJS. I was the design lead for the website, and focused on keeping a cohesive design that followed the material standard.

Epipha.me

Spring 2015

Databases final project. Collaborated in a team of 7 to create a product that help students looking for tutors. My tasks included building the database and Django forms for login, sign up and session creation.

WikiBooks Search Engine

Fall 2014

Data structures final project. Parsed and indexed the entire wikibooks corpus from an XML dump. Allowed for complex queries, giving results based off of frequency scores. Project completed with a partner in C++.

First Year Design

Spring 2014

Worked in a team of five for four months. Designed and built an autonomous robot that can test and remediate turbidity and salinity. I designed and built a salinity and turbidity sensor that was compatible with Arduino.

EXPERIENCE:**L3 Mission Integration, Co-op, Greenville, TX**

2016

Fixed defects for Java and C++ legacy systems.

Redesigned, implemented and tested a messaging system using Java and JUnit.

Designed and created display panels for C++ applications, using the QT library.

Hack DFW, Student Director, Dallas, TX

2014 - Present

Organize and execute largest hackathon in the South.

Overseeing that all teams are working towards a cohesive goal.

Design experience for students attending. Including activities, speakers, food, judges and crowd flow.

Plum Groups, Intern, Addison, TX

Summer 2015

Created focus groups for marketing purposes.

Facilitated alpha and initial beta testing.

Designed user experience for mobile app and chrome extension.

George W Bush Presidential Center, Operations Intern, Dallas, TX

2015

Oversee day-to-day functions and logistics of the Bush Center.

Facilities management, data management/IT and human resources

Managed user accounts.