Dennis MOORE

PERSONAL DATA

PLACE AND DATE OF BIRTH:	Bakersfield, CA	03 September 1993
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EDUCATION

DECEMBER 2015   Bachelor of Science in ELECTRICAL AND COMPUTER ENGINEERING, **Texas A & M University**

WORK EXPERIENCE

JANUARY 2016 - CURRENT

Cognizant Technology Solutions

Currently developing a web application that allows users to relate different sets of information together in a hierarchical grid. The application is written in C#, .NET, and Javascript and utilizes SQL databases to store user input. Before that I developed a web-page that moved financial data from an excel spreadsheet into a MySQL database and then displayed the data in various graphs on the page. I have also utilized the Selenium WebDriver tool to write Java code to test the functionality of various websites.

JUNE 2015 - CURRENT

SOE

Currently working on some CAN bus shizz

Defined a low level interface between two processors (Piccolo and Arduino) to allow for SPI communication between the devices. Designed a level shifter to match their voltages. Implemented error checking to throw away bad data packets.

AUGUST 2014 - MAY 2015

AggiE Challenge

I volunteered for a project to create an autonomous UAV that explored and mapped an unknown environment. For this project we used a Raspberry PI running ROS to host our flight control system, and an arduino for accessing and filtering sensor data. I was responsible for interfacing the hardware and sensors, setting up the ROS environment on the Pi, and handling the wireless communication.

MAY 2013 - JULY 2014

AMBER Robotics Lab

I worked on an autonomous cruise controller for cars and a hardware system to test the cruise controller. The cruise controller utilized non-linear control theory and was written in C++. I handled the low level interface between the MCU and the encoders.

KEY SKILLS

- C/C++
- Python
- Java
- Linux
- Microcontrollers

- C# and .NET
- Javascript
- SQL
- Digital Signal Processing
- Version Control(Git/SVN)