

# Michael McQuade

michael@giraffesyo.io  
(803) 627-8233



## Education

Oklahoma State University

*Bachelors of Science in Computer Science*

Fall 2016 - Spring 2019

**3.65 GPA**

Tecnológico de Monterrey

*Computer Science - Study Abroad*

Summer 2017 - Spring 2018

## Experience

Foundation Software  
*Software Development Intern*  
June 2018 - August 2018

- Created internal label printer application using React, MS SQL, Windows Integrated Security, and Express.js
- Created proof-of-concept rewrite of marketing website foundationsoft.com
- Improved page load speeds from 6.2 seconds to 800 milliseconds

AIMEX INGENIERÍA  
*Independent Contractor*  
July 2017

- Created custom time-clock web application which takes a photograph when the employee clocks in.
- Created administration dashboard which allows viewing biweekly reports, the photographs, and the exportation of data into CSV format

Prairie Glade Chihuahuas  
*Independent Contract*  
September 2017 - Present

- Created custom web application which allows client to add dogs for sale with no programming knowledge necessary
- React.js
- Node.js / Express.js
- Heroku
- PostgreSQL

Apple Inc  
*iTunes Store Senior Advisor*  
April 2012 - January 2015

- Provided customer support for fraud-related issues in a high-stress environment while maintaining more than 98% customer satisfaction
- Experience working in teams
- Customer Driven
- Soft Skills
- Problem Solving

## Projects

Programming Intelligent  
Robots

- Created a state machine which makes a TurtleBot play a game of Soccer
- Collaborated with others on discoveries
- Utilized Python and Robot Operating System

Robot Vision

- Developed an application in Python which could generate "kick" instructions to a soccer-playing robot
- Utilized OpenCV and the Lucas-Kanade Optical Flow method to track motion

ConocoPhillips  
Innovation Challenge  
3rd Place Winner

- Collaborated with team to create proof-of-concept drilling rig controller
- Utilized Unity 3D for physics engine and user interface
- Connected multiple clients using AWS lambda and RESTful Node.js backend