

Michael McQuade

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Education

Oklahoma State University

Bachelors of Science in Computer Science

Fall 2016 - Spring 2019

3.70 GPA

Tecnológico de Monterrey

Computer Science - Study Abroad

Summer 2017 - Spring 2018

Experience

ConocoPhillips

*HPC System Administrator
June 2019 - Present*

Administrate, Maintain and develop for HPC cluster of more than 5200 nodes

- Python
- PostGRESQL
- Docker
- TypeScript
- RT-Tracker
- Node.js
- MySQL
- Singularity
- Unit Testing
- GLPI
- React.js
- Unity3D
- AWS
- MLFlow
- ServiceNow

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

Projects

Robot Vision

- Created a state machine which makes a TurtleBot play a game of Soccer
- 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