

Michael A. Rojas

Computer Science & Engineering

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EDUCATION

Arizona State University

B.S. Computer Science & Engineering

GPA: 3.58

Tempe, AZ, USA

August 2015 - Present

Graduation: May 2019

EXPERIENCE

Arizona State University College of Engineering

Teaching Assistant for Digital Design Fundamentals

Point of contact for 50+ students

Assist faculty with lesson plans, classroom logistics, and hold office hours.

Help students conceptualize circuit implementation, circuit design, logic with microprocessors, and assembly language.

Tempe, AZ, USA

Aug 2016 - Present

Tron LLC

Software Development Intern

Developed authentication system for a user login using swift (Objective-c)

Developed UI/UX for mobile applications using swift(Objective-c)

Tempe, AZ, USA

Jan 2017 - March 2017

PROJECTS

BitBite Mobile Application

Swift, Google API's, Apple Map Kit

Implemented Google Maps and Uber APIs to allow real time tracking and user navigation.

Implemented Apple Map Kit to search the nearby area for a query.

PayPal Opportunity Hack

JavaScript, Bootstrap, Google API's

Techshop innovation Award – 1st place for developing a modern website

integrating bootstrap with a responsive UI. HTML 5, CSS3 and JavaScript for the nonprofit organization Si Se Puede.

Negotiated and established a contract with Si Se Puede to develop their website.

Watch Guard

Swift, Google API's, HealthKit

Designed a mobile application for iOS using swift (objective C) utilizing the apple watch to detect emergency situations. Queried hospitals near current location.

Integrated apple healthkit to track heartrate and acceleration data. See more at: simplexhack.github.io

Neural Network

Numpy, Python

Developed a simple neural network using backpropagation to predict an output. Used the Numpy library, modeled the output after a logic AND gate.

This project was an introduction to neural networks used to understand how they are implemented and designed.

RELEVANT COURSES

Object Oriented programming (Java)

Assembly Language

Introduction to Programming Languages(C/C++)

iOS mobile application development(Swift)

Introduction to Data Structures and Algorithms

Applied Linear Algebra

Discrete Mathematics

ACTIVITIES

SoDA – Student Member (2016-Present)

Software Developers Association

SHPE – Student Member (2016-Present)

Society of Hispanic Professional Engineers

WORK & PORTFOLIO

LinkedIn

www.linkedin.com/in/mikerojaswa

Portfolio

www.michaelarojas.com

GitHub

www.github.com/mikerojaswa