

Irán Ramirez

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EDUCATION

TEXAS A&M UNIVERSITY

B.S. Electronic Systems
Engineering Technology
Spring 2020 | College Station, TX
Cybersecurity Minor
Major GPA: 3.0

GOAL

Obtain a full-time job as a software engineer, project manager, hardware engineer, or test engineer

COURSEWORK

UNDERGRADUATE

Microcontroller Architecture
Embedded Systems Software
Local and Metropolitan Area Networks
Advanced Network Security
Intro to Program Design & Concepts

SKILLS

PROGRAMMING

Experienced: C • C++ • Python • ES6
• React • NodeJS • Git • HTML • CSS
Exposure: Flask • ARM Assembly
• Verilog

SOFTWARE

Microsoft Office • MATLAB • Autodesk
Inventor • Autodesk Eagle • Arduino •
VS/VS Code • SolidWorks

HARDWARE

Arduino • Raspberry Pi • TI MSP430 • TI
Tiva Series Boards

OTHER

Fluent in Spanish

LINKS

Github:// iranramirez
LinkedIn:// iranramirez
Instagram:// iranonoiran

PROJECTS/AWARDS

TAMUhack HACKATHON | January 2019

4th Place | Texas A&M University

- 4th Place overall out of 138 projects
- 2nd Place American Airlines Challenge
- Created automated flight attendant using two DC Motors controlled by a raspberry pi used as server created with flask
- Created app using React Native that controlled cart remotely and dispensed drinks (Instagram)

HOWDY HACK HACKATHON | September 2018

1st Place | Texas A&M University

- Virtual Texas A&M chess game that can move pieces with voice commands using IBM Watson API designed for people with upper body impairments
- Created IBM Watson JSON parser

PERSONAL PROJECT | August 2018

- Electronic touchscreen nametag with a 3D printed housing for career fair that served as an electronic resume (Instagram and Github)

TAMUmake HARDWARE HACKATHON | February 2018

2nd Place | Texas A&M University

- Automated waste management system and trash compactor using Alexa, AWS, Raspberry Pi, and ngrok

EXPERIENCE

FISCHER ENGINEERING DESIGN CENTER | PROTOTYPING TECHNICIAN

Jan 2018 - Current | Texas A&M University

- Fabricate student Printed Circuit Boards (PCBs) and 3D printing designs
- Train new hires on PCB fabrication and machine maintenance
- Solder and micro-solder electrical components on PCBs
- Automated 3D print student submission process using Google Script

UNDERGRAD STUDENT RESEARCH GRANT | STUDENT RESEARCHER

May 2018 – August 2018 | Texas A&M University | Computer Science Department

- Built a prototype HTTP Workload Generator to provide synthetic IoT workloads to validate methods for resource management in Edge computing using Python and Flask

IPHONE REFURBISHMENT | ENTREPRENEURIAL ACTIVITY

January 2017 – May 2017 | College Station, TX

- Repaired and refurbished over 1000 phones and averaged a monthly income of \$700 a month