NADXHIELI JUAREZ

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EDUCATION

Computer Engineering - Computer Science track B.S.

Texas A&M University, College Station

📅 Fall 2018 – Fall 2022

- GPA: 3.0/4.0
- Mathematics minor
- Area electives: Software & Systems, Information (data bases), Robotics &Embedded systems

EXPERIENCE

Software Engineer Co-op

WilliamsRDM

📅 Spring 2021   📍 Fort Worth, Texas

- Implemented a python based(Tkinter) GUI for the validation of a new wireless sensor network
- Implemented several features on a web-based UI in SQL, PHP, Javascript, html, and css.
- Programmed and assembled a small IoT system that readily displayed real-time temperature data

Part-Time Software Developer

Cenntennial Arts

📅 Fall 2021   📍 College Station, Texas

- scripted an automation tool for VM set-up (our test servers for internal development)
- Optimized runtime of Vm set-up script from 15 mins per Vm to 10 Mins for x many VMs

Laboratory Assistant

Energy Systems Laboratory

📅 Fall 2019 – Spring 2020   📍 College Station, Texas

- Implemented excel based data processing and automation tools using Microsoft VBA
- Manually processed and managed large sets of data, using excel

IT Student Worker

Texas A&M Veterinary Medical Diagnostics Lab

📅 Summer 2021   📍 College Station, Texas

- Assisted with Image Deployment, troubleshooting networking and hardware related issues

RESEARCH EXPERIENCE

Undergraduate Research Scholar

Texas A&M STEM Education Center

📅 Spring 2019 – Fall 2019   📍 College Station, Texas

- Responsible for the motor of a low-cost alternative to the LEGO mindstorms, (programmed, assembled, and operated Arduino Uno L298n motor)

Student

Engineering Learning Community Introduction to Research

📅 Summer 2019   📍 Merida, Yucatan

- Created an at home experiment to collect data on the conductivity of graphene metals using graphite and metal samples. Developed a project proposal

AWARDS & RECOGNITIONS

- Recognized for being a founding member of AHICS, Aggie Hispanics in Computing
- Received College of Engineering spotlight for fGen week (Fall '21)

PROGRAMMING LANGUAGES

C++ Python Microsoft VBA HTML Javascript
SQL PHP Arduino c++ Verilog, HDL (library) React.js
Powershell C, Particle Photon Latex xml
JSON

LEADERSHIP EXPERIENCE

Industry Connection Officer & Founder

Aggie Hispanics in Computing

📅 Fall 2020– Ongoing   📍 College Station, Texas

- Responsible for networking with industry leaders
- Initiate and carry out events related to career development

Mentor

First Generation Mentoring Program

📅 Fall 2021-ongoing   📍 College Station, Texas

- Assist my mentees with transitioning into a college environment, by providing support and guiding them through personal milestones

Free-Lancce Web-Developer
Frida's Bo-Boutique

📅 Summer 2020   📍 Weslaco, Texas

- Developed and managed company website

Owner
Carpentry By Nad

📅 Fall 2020 – Ongoing   📍 College Station/ RGV area

- Created Customized Rustic Wooden Furniture
- Handled social media-based marketing, invoices, scheduling, and bookkeeping

Member
Texas A&M Society of Women in Engineering, Inspire Committee

📅 Spring 2019   📍 College Station, Texas

- Gave age appropriate lectures to k-12 students on important engineering concepts