Tyler Adam Martinez

Software Engineer

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WORK EXPERIENCE

CodeStream Studios, — Coding Instructor   **NOV 2021 - PRESENT**

I taught a REACT.js course at Seagoville High School (Dallas, ISD), and I taught a python lesson virtual through the CodeStream Studios online code editor.

HackUNT V, — Officer & Web Developer   **NOV 2021 - PRESENT**

I organized volunteers and maintained the unthackathon.com code base.

UNT Robotics, — Cofounder & Treasurer   **AUG 2018 - AUG 2021**

I manage all the budgets for the robotics projects and taught robotic workshops.

IEEE R5 Competition, — Engineer   **AUG 2019 - MAY 2020**

I built the power distribution board that ran on 3 different logic levels and coded the program to controller motors on the bottom and arm of the robot from the single board computer

SofaBot, — Engineer   **MAY 2019 - AUG 2019**

I created the entire schematic for the robot. Then wired and built the circuit to control the motors, lights, and electrical braking system.

HackUTD VI, — Engineer

(3rd Place Winner) (Best Use of ESRI Technology) (MLH- Best UiPath Automation Hack)

Pothole Project – Our project detects potholes and automatically fills out a report to the local DMV where the pothole was detected. (OpenCV, Python, UiPath API, ESRI API)

HackUNT III, — Engineer

(1st place winner in RESPEC sponsorship challenge)

ReStep - Our project is a pedometer counter, that takes the number of steps an employee walks, gets an average from all employees participating, and puts it as a tag for that specific location. Then shows on the user where you rank in comparison to other office locations. (Java, Swift, HTML, CSS, Javascript)

Hacklahoma VI, — Engineer

Find-A-Group - Our project is a cross-platform application that allows users to instantly connect and chat with other users in their areas. (Vue.js, Node.js, Quasar Framework)

UNT, — Robotics Tutor   **OCT 2019 - JUL 2021**

I created electronics and software workshops and advised senior design groups.

NT Daily, — Web Developer   **AUG 2019 - JUL 2021**

I *maintain the school newspaper's website and create graphic designs.*

EDUCATION

University of North Texas
Computer Science
2023
Denton, Texas.

TECHNICAL SKILLS

- React.js
- Node.js
- Firebase
- Google Cloud Services
- Heroku
- C/C++ 21
- Python 3.9
- HTML 5 / CSS 3
- JavaScript ES6
- Rust

SOFT SKILLS

- Attention to detail
- Teamwork
- Organization
- Communication
- Creativity
- Training& Teaching
- Time management