

Tyler Adam Martinez

Software Engineer

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WORK EXPERIENCE

CodeStream Studios, — *Coding Instructor*

NOV 2021 - PRESENT

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

HackUNT V, — *Officer & Web Developer*

NOV 2021 - PRESENT

Coordinated volunteers and maintained the unthackathon.com code base.

UNT Robotics, — *Co-founder & Treasurer*

AUG 2018 - AUG 2021

Handled all the budgets for the robotics projects, taught robotic workshops, and cofounded the UNT Robotics organization

IEEE R5 Competition, — *Engineer*

AUG 2019 - MAY 2020

Built the power distribution board that ran on 3 different logic levels and programmed a single board computer (Raspberry Pi 3) to control the electric motors

SofaBot, — *Engineer*

MAY 2019 - AUG 2019

Created the entire schematic for the robot, then built the circuit that controls 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 – 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 - Tracks the number of steps an employee walks, calculates the average steps from all employees participating. Then displays to the user where they rank in comparison (Java, Swift, HTML, CSS, Javascript)

Hacklahoma VI, — *Engineer*

Find-A-Group - 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

Established electronics workshops, software workshops and advised senior design groups.

NT Daily, — *Web Developer*

AUG 2019 - JUL 2021

Strengthened the school newspaper's website and created graphic designs.

EDUCATION

University of North Texas

Computer Science 2023

Denton, Texas.

TECH SKILLS

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

SOFT SKILLS

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