

+ Experience

The University of Texas at Dallas

Undergraduate Researcher on Autonomous Vehicles

Feb. 2020 to Current

- Working on an autonomous car under the direction of Dr. Justin Ruths
- Currently working on creating a device that can accurately measure current drawn and average current used at a particular time
- Learning about autonomous vehicles and how the software interacts with the hardware

Code Ninjas

Computer Science Instructor/Lead Summer Camp Instructor

Feb. 2019 to Aug. 2019

- Helped kids ages 7-14 understand and learn computer programming using tech
- Promoted the company at community events such as STEM nights
- Ran day camps and other events such as birthday parties
- Worked with introducing other stuff related to computer science such as robotics and drones to young kids
- Developed summer camp curriculum
- Ran summer camps in the topics of Cybersecurity, Android Apps, and JavaScript

Shape Up Fort Bend

Chair of The Youth Board

Nov. 2015 to June 2019

- Promoted healthy lifestyles and well-being in my community
- Responsible for managing over 50 youth members
- Took part in community events and brought volunteers to events
- Recruited new members for various events such as the International Gulf Coast Dragon Boat Regatta which won first place 2 years in a row in the UMIX division
- Organized an after school program in an underserved community to bring awareness to healthy living and well-being among elementary school children
- Communicated and worked with community leaders to make things such as events and programs happen
- Served as Chair 2017 - 2019
- Served as Vice President 2016 - 2017

+ Projects

ChargeMe - First Place Winner @SASEtank

- Won first place and got a total of \$1,250
- Created with a team of 1 other high school entrepreneur
- ChargeMe is a power bank rental service in malls and amusement parks designed to keep people on the go, while charging their phones
- ChargeMe was the only high school team to be in the competition; all other teams composed of students in college

Stove-top Flame Notifier - 1st Place Hackathon Winner

- Lets you know if you left your stove on when you leave your house
- Submitted to IncubateHOU and won first place
- Utilized Arduino, Raspberry Pi, C++ programming, Python, and the Pushbullet API

Remote Control Room Measuring Robot

- Built a robot that can help you measure a room as part of TI-RSLK Summer Project 2020
- Utilized Energia, C++ programming, and knowledge of circuit design

QuickErrand

- Created a proof of concept app for DEFHackVirtual 2020 with a team of 3
- The app allows a user to request services such as lawn mowing
- Utilized Flutter, Firebase, Dart

Zoom University

- Created this project to help raise money for Feeding America's Coronavirus Response Fund during COVID-19
- 100% profits donated
- Had \$229.46 in sales
- Raised \$62.27 in profits for Feeding America

ArlxMeet 2017 Houston Conference

- I led and organized this full day conference for teenagers to learn about entrepreneurship and interact with like minded peers
- Was responsible for acquiring sponsors, gathering speakers to present, and marketing on social media
- Had around 60 attendees

+ Education

University of Texas at Dallas

Aug. 2019 to Current

B.S., Computer Engineering with a minor in Finance
GPA: 3.2

TI-RSLK Summer Project 2020 @Texas Instruments

- Learned about embedded systems and circuit design
- Better understood how micro-controllers work
- Better understood how RC modulation works and how that can be used to control a robot
- Built and designed two different projects: a fully remote controlled TI-RSLK and a room measuring robot

Computer Science Summer Institute - Coursera Program @Google

June 2019 to Aug. 2019

- Selected as a student of Google's highly selective and invite only Computer Science Summer Institute- Coursera program
- Took an online course as part of Google's Programming with Javascript, HTML, and CSS curriculum

Clements High School

Aug. 2016 to May 2019

+ Leadership and Clubs

Treasurer · UTDesign Makerspace

Jan. 2020 to Current

Treasurer · UT Dallas Robotics Club

May 2020 to Current

Member · UTD Drone Racing Club

Aug. 2019 to Current

Member ·

Institute of Electrical and Electronics Engineers (IEEE)

Aug. 2019 to Current

Member ·

American Institute of Aeronautics and Astronautics (AIAA)

Jan. 2020 to Current

+ Awards

H&R Block

H&R Block Budget Challenge Winner - \$20,000 Scholarship

Apr. 2019

Ranked #1 out of 42,952 students participating in the H&R Block Budget Challenge

The George Foundation in Honor of Dee Koch Youth In Philanthropy Scholarship

Apr. 2019

Won a \$2,000 scholarship because of the contributions I made to my community

Rotary International

Rotary Youth Leadership Award

Feb. 2018

Society of Asian Scientists and Engineers · First Place Winner - SASEtank

Oct. 2018

Tiger Rock Martial Arts (Taekwondo) · Black Belt

June 2018

IncubateHOU

1st Place - IncubateHou Entrepreneurial Hackathon

Aug. 2016

+ Skills

LANGUAGES

C++ (most proficient in this but still learning)

MATLAB (proficient- MATLAB Onramp Certification)

JavaScript (basic knowledge and learning)

Java (basic knowledge and learning)

HTML (still learning)

CSS (still learning)

Python (very basic knowledge)

OTHER COOL TECH STUFF

Arduino

Raspberry Pi

Internet Of Things

WordPress

Website Hosting

Robotics

Drones

iOS and Android Apps