

## EDUCATION

**Texas A&M University**, College Station, Texas

Expected May 2022

**Bachelor of Science:** Computer Engineering (Electrical Track)

**GPA: 3.373/4.000**

**Honors/Awards:** 3x Aggie Research Scholar, Fall 2019 and Fall 2020 Distinguished student at A&M

**Relevant Coursework:** Data Structures and Algorithms, Signals and Systems, Circuit Design Theory, Intro to Program Design (C++), Intro to Digital System Design, Multivariable Calculus, Electricity and Magnetism, Mechanics, Discrete Structures, Differential Equations

**Certifications:** AZ-204: Azure Developer Associate

Expiration Date: August 23, 2022

AZ-900: Microsoft Azure Fundamentals

No Expiration Date

## WORK EXPERIENCE

**Mobilecomm Professionals Inc**

June 2019 - July 2019

*Electrical Engineering Intern*

Richardson, TX

- Collected critical network performance data during supervision of signal strength tests of 5G network parameters throughout Dallas Downtown while using upwards of 50 Android devices.
- Helped site integration teams with installation of T-Mobile 4G LTE network. Learned how network components are installed, configuration scripts are loaded, and alarms are cleared.

**Collegiate Endeavors**

May 2018 - Present

*Administrative Assistant*

Plano, TX

- Actively assisting with administrative duties for a private college preparation company. Helped students stay up to date with college-prep materials and organized inventory. Administered and graded practice SAT/ACT examinations.

## UNDERGRADUATE RESEARCH

**Design of Novel Electrodes for Next Generation Flexible Electronics**

September 2019 - Present

*Undergraduate Research Team Member*

- Designing and developing novel hybrid supercapacitor compositions using a variety of nanoparticles including NiWO<sub>4</sub> and MnO<sub>2</sub> in a laboratory hosted by Dr. Hong Liang. Gained experience with Gamry Instruments and tribological equipment.
- Researching and compiling data on how to boost capacitance, charge/discharge speeds, and more for hybrid supercapacitors.
- Received a publication by Energy Storage Journal for "Design and Synthesis of high performance flexible and green supercapacitors made of manganese-dioxide-decorated alkali lignin".

## RELEVANT PROJECTS

**Public Portfolio**

July 2020 - Present

- Utilized HTML and CSS for the purpose of creating my personal portfolio which highlights my strengths and projects.

**Laser Security System**

March 2020

- Created a system which can detect interference of IR waves from an emitter and receiver combination that has the ability to identify unwanted intrusions. Utilized a potentiometer, signal amplifier, inverter, and circuit theory.

## LEADERSHIP AND EXTRACURRICULARS

**Texas A&M Society of Automotive Engineering**

August 2018 – Present

*12<sup>th</sup> Man Garage Member*

- Remodeling the internals and externals of a 1994 Fox-Body Mustang. Currently preparing for a competitive endurance race which can last up to 12 hours.
- Hands on experience with full restoration of V8 combustion engine. Helped dismantle engine block including valves and pistons, resprayed engine bay, and sanded down the body in preparation for paint.

**Texas A&M RoboMasters**

August 2018 – May 2019

*Design Team Member*

- Helped design and fabricate a variety of functional specialized robots for the chance of RoboMasters competition in China.
- Aided the design team in modeling the "Engineer" robot through the use of SOLIDWORKS constructions.

**Young Men's Service League**

August 2017 – August 2018

*Vice President of Communications*

- Served as the VP of Communications by directing and responding to emails from members to potential philanthropies and scheduling volunteering at verified philanthropies across TX such as Bed Start and Summer Lunch Program.
- Young adults served as leaders within the communities by helping local businesses and charities. Also, members would attend meetings which gave them real world advice and exposure from influential figures.