

# Jarrett Sech

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## EDUCATION

**B.S Mechanical Engineering** - *Texas A&M University, College Station, TX*

August 2020 - May 2024

**GPA: 3.60**

### Relevant Coursework:

SolidWorks Modeling

Numerical Methods

Machine Learning for Mechanical Engineers

Python Programming

Precision Machine Design

Material & Manufacturing in Design

Control Systems

Algorithmic Design in Houdini

Additive & Subtractive Manufacturing Processes

## EXPERIENCE

**Operations Intern** - *Eaton Corporation, Jackson, MI*

May 2022 – August 2022

- Took initiative to learn Visual Basic for Applications Coding Language (VBA) over a 3-month period
- Developed advanced, automated Excel solutions using VBA and creative problem solving
- Increased efficiency and reduced chances of human error by mapping, standardizing, and automating processes

**Engineering Co-op** - *Eaton Corporation, Remote*

August 2023 – December 2023

- Applied previously acquired knowledge of VBA to automate Excel systems and develop robust programs
- Created a productivity tracker using Excel to automate the process of analyzing Employee Productivity

**Machine Shop Student Technician** - *Texas A&M University, College Station, TX*

January 2022 – September 2023

- Oversaw machine shop functions to prevent unsafe or improper handling of equipment
- Machined items to specific design requirements and tolerances requested from students and faculty

**Engineering Capstone Project** - *Texas A&M University, College Station, TX*

August 2023 – May 2024

- Worked with a team of 5 Mechanical Engineering students to research, design, and construct a Pistol Recoil Simulator that met the requirements of an industry sponsor
- Gained engineering experience and further developed interpersonal skills with both team members and sponsors
- Developed leadership and practical skills during the manufacturing process such as MIG Welding

**Little League Umpire** - *North Asheville Little League, Asheville, NC*

April 2016 – April 2020

- Officiated Little League Baseball games for kids ages 7-12
- Deescalated stressful and highly emotional situations while remaining calm and respectful
- Built relationships with kids, parents, and coaches throughout the season to run games without issue
- Selected as a Little League Championship Umpire

**Independent Tour of the United States**

June 2024 – Present

- Planned and executed an extensive road trip traveling and camping across 22 States and 3 Countries
- Managed budget, lodgings, travel routes, camping locations, and necessities such as food and water supplies
- Adapted or developed alternative plans to accommodate unforeseen circumstances or urgent situations
- Strengthened communication and networking skills by interacting with a diverse population of locals

## AWARDS & INVOLVEMENT

**Extracurriculars:** Tau Kappa Epsilon Fraternity Disciplinary Board, Guitar, TEDxTAMU, Big Event Volunteer Day

### Scholarships & Awards:

Cum Laude from Texas A&M University

WNC A&M Leadership Award 2020, 2021, 2022 & 2023

Texas A&M Lechner Scholarship

AP Scholar with Distinction 2019 & 2020

Maroon Merit Award & Scholarship

Top Ten Student Award 2016 - 2020

## SKILLS

SolidWorks Modeling

MATLAB & Simulink Experience

Visual Basic for Applications (VBA)

Houdini 3D Animation Software Experience

Microsoft Office Products

Proficient with shop machinery (Lathe & Mill, MIG Welding, etc.)

Advanced Knowledge of Microsoft Excel

Proven written & verbal communication skills in a team environment

Python Programming Language

Able to adapt plans in volatile situations