

# GARETT WILLIAM MORRISON

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📍 College Station, TX

🐙 github.com/GarettMorrison

## LEADERSHIP & ACTIVITIES

### Noodle Crusaders

#### Texas A&M; Founder, Organizer

📅 Oct 2019 – Present 📍 College Station, TX

- Organize 200+ person noodle-sword capture-the-flag events.
- Conceptualized, advertised, budgeted, and launched group.

### TAMU Robobrawl Team

#### Texas A&M; Electronics Team Lead

📅 Sept 2019 – On Hold 📍 College Station, TX

- Designed entire electronics system for 30lb combat robot.
- Worked with design and fabrication team to design according to budget and weight constraints.

### Society of Flight Test Engineers

#### Texas A&M; Member

📅 Sept 2019 – On Hold 📍 College Station, TX

- Design, build, and fly foam remote-control aircraft.
- Independently laser cut, assembled, and wired 1/10 scale P-38 Lightning fighter plane.

### SOAR Team

#### Texas A&M; Electronics Team Member

📅 Sept 2019 – May 2020 📍 College Station, TX

- Designed autonomous vertical-takeoff flying-wing aircraft.
- Worked with design and fabrication team to spec out design.

### Budget Bots

#### Canyon High School; Founder, Organizer

📅 Aug 2018 – May 2019 📍 New Braunfels, TX

- Organized robotics league for students without access to a formal robotics program.
- Designed and sold robot kits at cost, including arduino micro-controllers, servos, RF transceivers, and other parts.

### San Antonio BEST Robotics League

#### Canyon High School; Founder, Captain

📅 Sept 2018 – Oct 2018 📍 New Braunfels, TX

- Recruited and led team to design and construct a robot that balanced on a two-by-four and used an articulating arm.

### Cougar Robotics: FIRST Robotics Challenge

#### Canyon High School; Founder, Captain, Lead Driver

📅 Aug 2017– Feb 2018 📍 New Braunfels, TX

- Recruited faculty sponsor and team members.
- Secured funding from school to support team.
- Led in design and competition; Finished 17th out of 52 teams in competition, with award for the highest-placed rookie team.

## EDUCATION

### B.S. in Engineering, Honors

#### Texas A&M University

📅 Expected May 2023 📍 College Station, TX

- GPA: 3.7

### High School Diploma

#### Canyon High School

📅 June 2019 📍 New Braunfels, TX

- Rank 11/593; Unweighted GPA: 3.95

## WORK EXPERIENCE

### Fischer Engineering Design Center

#### Technician in Prototyping Center

📅 College Station, TX 📍 Aug 2019 - Present

- Trained to operate professional laser cutter, 3D printers (Polyjet, SLA, and FDM), 3D foam cutter, and PCB equipment (mill and laser).
- Maintain and operate machines, create models for production using CAD.

### New Braunfels Makerspace

#### Head Camp Counselor

📅 New Braunfels, TX 📍 May 2017– Aug 2019

- Supervised STEM activities and created original curriculum for elementary-aged campers.
- Taught fundamentals of coding, 3D modeling, and robotics to campers.
- Operated 3D printers, CNC equipment, laser engravers, and other equipment.

### Flynocerus Racing Drones

#### Shop Assistant

📅 New Braunfels, TX 📍 May 2017– Aug 2017

- Packed and shipped orders for start-up racing drone frame company.
- Represented company at publicity events, including a visit to Facebook headquarters in Austin.

## HONORS

- 1<sup>st</sup> Place at Howdyhack 2019 Hackathon

## SKILLS

- Programming using C++, Python, Javascript, and Arduino.
- 3D modeling using Fusion 360 for 3D printers, laser cutters, and CNC routers.
- Built racing drone and remote-control plane.
- Project documentation at garettmorrison.net.