

GARETT WILLIAM MORRISON

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LEADERSHIP & ACTIVITIES

Noodle Crusade

Texas A&M; Founder, Organizer

📅 Oct 2019 – On Hold 📍 College Station, TX

- Organized 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

- Designed, built, and flew 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

- Created robotics league. Designed and sold robot kits at cost, including Arduino microcontrollers, servos & RF transceivers

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 and team members; secured funding.
- Won award for the highest-placed rookie team.

EDUCATION

B.S. in Engineering with Honors

Texas A&M University

📅 May 2023 📍 College Station, TX

- Mechatronics Major
- Computer Science Minor
- Embedded Systems Minor
- GPA: 3.7

High School Diploma

Canyon High School

📅 June 2019 📍 New Braunfels, TX

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, use Lisp scripting to improve machine efficiency

New Braunfels Makerspace

Head Camp Counselor

📅 New Braunfels, TX 📍 May 2017– Aug 2019

- Created original curriculum and taught 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 events

HONORS

- 1st Place at Howdyhack 2019 Hackathon

SKILLS

- Coding: C++, Python, Bash, Lisp, Arduino.
- SolidWorks and AutoCAD for 3D printers, laser cutters, foam cutters, and CNC routers
- Project portfolio at garettmorrison.net.