

Grayson Riffe

Electronic Systems Engineering Student

Contact

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Education

Texas A&M University
College Station, TX
Pursuing a BS
in Electronic Systems Engineering
(ESET)
GPA – 3.808
Est. Graduation – Fall 2026

Key Skills

- Comprehensive understanding of electronic systems, from hardware to software
- Competent in designing electronic schematics
- Learned in PCB layout and soldering
- Adept in benchtop instrumentation equipment operation and SCPI
- Experienced in LabVIEW programming
- Familiar with many MCUs (ESP32, MSP430, STM32, Nordic)
- Systems and application programming
- C/C++, Java, Python, HTML, CSS, JavaScript
- Proficient in Visual Studio, CMake, Git, office software
- Accomplished in computer networking
- Extensive Windows and Linux knowledge
- Reliable and punctual
- Natural team leader
- Unrelenting, motivated work ethic

Profile

Engineer with a wide background in electronics engineering, software, and IT. Years of tinkering experience with software and hardware, fueled by the ever-important skill of problem solving. Currently a full-time student with 2 part-time jobs. Interested in the semiconductor industry. Certified IT technician. Open to work in Texas.

Work Experience

Jan. 2026 – Present

Lead Teaching Assistant (ESET 352) • Texas A&M Uni. – College Station, TX

- Electronics Testing I – Lead lab TA and evaluation roles.
- Oversee 15 other TAs and meet for weekly updates and check-ins.
- Create and give weekly 50-minute lectures during class time on introductory lab theory.
- Streamline existing lab manuals with necessary and concise information for students to achieve lab goals.
- Evaluate student lab understanding in weekly “demo” times.
- Extensive Teradyne ETS-364/88 tester / general testing knowledge.
- Designed a shift register PCB for use with the testers and created a digital test to demonstrate the operation of the part with on-board LEDs.

May. 2023 – Present

Server • BJ’s Restaurant and Brewhouse – Arlington and College Station, TX

- Play a part of the team, about 10 hours a week even while being a full-time university student.
- Reliable to be called upon when needed.

Oct. 2021 – Aug. 2022

Server • Chili’s (Brinker International) – Arlington, TX

- Ensured beyond satisfactory customer experience.
- Thrived by cooperating with a team, in front and behind the scenes.

June 2021 – Aug. 2021

IT Assistant • Hamer Enterprises – Fort Worth, TX

- Assisted an IT Specialist with the installation of an IBM server system.
- Restored and optimized a demo kiosk intended for presentations.
- Successfully inventoried the equipment of an entire office.

Honors and Certifications

- McFadden Scholarship – Awarded Aug. 2022
 - From the TAMU Scholarship Handbook: "McFadden Scholarships are offered to the most competitive students who are residents of Dallas or Tarrant counties based on academic and co-curricular achievement."
- CompTIA A+ Certification – Verification Code X8FH0WJ63F44QCS1

Personal Projects

- Vibrating Alarm Clock
- Don’t Skip Leg Day
- Nothin’ Fancy
- WinChat
- Mainspring
- Silent alarm for the hard-of-hearing
- Difficult co-op video game
- Simple 3D game engine
- Peer-To-Peer instant messaging app
- Simple timekeeper

Hobbies and Interests

- Learning a variety of technical topics such as logic families and Vulkan
- Maintaining my portfolio website and Gitea
- Reading Wikipedia and technical books (No, really!)
- Watching Christopher Nolan movies