Addison Bute

addisonbute@gmail.com

Education

University of Louisiana at Lafayette **Expected graduation Fall 2028**

Bachelor of Engineering in Electrical Engineering - GPA: 4.0 *Lafayette, Louisiana*

- President's List Recipient | Spring 2025
- President's List Recipient | Fall 2024

Work Experience

Chick-Fil-A **June 2023 – Present**

Tables Position Coach *Lafayette, Louisiana*

- Trained & Coached new team members on Chick-fil-A's precise breading procedures, frequently prepping up to 1000 breaded chicken pieces per shift
- Monitored critical control points (e.g., internal temperature, batter coverage) and enforced food-safety protocols, resulting in a 99% score on an EcoSure food-safety inspection

Landscaping Business **May 2023 – December 2023**

Owner *Lafayette, Louisiana*

- Managed finances for a self-run neighborhood landscaping business—budgeting income to cover fuel costs, equipment maintenance, and supplies
- Built and maintained a loyal base of recurring clients through reliable service, clear communication, and attention to detail—achieving 100% customer satisfaction and consistent referrals within the neighborhood

Projects

LED Matrix Module **May 2025**

- Developed code to test and display on an 8x8 LED Matrix Module using a MAX7219 Display Driver and an Arduino Mega, communicating with the device using the SPI protocol
- Parsed the MAX7219 datasheet to take into account register mappings, timing requirements, and initialization sequences, ensuring correct driver configuration

Swerve Drivetrain **April 2024**

- Implemented swerve-drive control software for our 2024 robot, using field-oriented kinematics to enable precise maneuvering and maximize scoring potential
- Leveraged PathPlanner to build modular autonomous routines from predefined trajectories, enabling rapid path adjustments, streamlining routine selection, and improving autonomous accuracy.

Skills

Proficient Languages: C++, Java
Familiar Languages: C, Python, HTML, CSS
Developer Tools: VS Code, IntelliJ IDEA, Visual Studio
Technologies/Frameworks: Arduino, Linux, Git, Logisim, Sourcetree

Extracurricular

FRC Robotics **Summer 2020 – May 2024**

Programmer *Team 3616 Phenomena*

- Collaborated with fellow team members to analyze the year's FRC challenge, translating high-level tactics into technical requirements for robot performance
- Developed code to test and validate subsystem prototypes, running performance benchmarks, logging real-time metrics, and dynamically adjusting control parameters to optimize designs for final deployment
- Qualified for and competed in the 2023 FIRST Championship—an international robotics competition bringing together top teams from around the world to showcase advanced engineering, strategy, and teamwork at the highest level.

Civil Air Patrol **Summer 2020 – Summer 2022**

Staff Sergeant *Lafayette Composite Squadron*

- Completed a week-long Encampment at Keesler Air Force Base—participating in structured military-style training, leadership development, aerospace education, and team-building exercises in an active-duty environment.
- Led a flight of around 5 cadets, mentoring in drill and leadership principles