

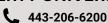
GERALD WEAVER

INDUSTRIAL AND SYSTEMS ENGINEERING AT LIBERTY UNIVERSITY





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EDUCATION

LIBERTY UNIVERSITY

B. S. in Industrial and Systems Engineering August 2023 - May 2027

- GPA: 3.74
- Dean's List; August 2023 Present
- Alpha Lambda Delta Honor Society; August 2023 - Present
- Relevant Coursework:

Analog and Digital Design, Economic Analysis, Database Analysis and Database Development

LEADERSHIP

- Eagle Scout; September 2015 September 2023 Boy Scouts of America; Bel Air, MD
- Project Leader; Engineering Missions & Research Club January 2025 - Present; Lynchburg, VA
- · Liberty University Converge Leadership Program; August 2023 - August 2024; Lynchburg, VA
- Director of Recruitment IISE/ASSP Liberty University; January 2025 - Present; Lynchburg, VA
- Administrative Coordinator Project Management, Liberty University Rocketry; May 2025 - Present; Lynchburg, VA

TECHNICAL SKILLS

- System & Facilities Design
- Data Analysis
- Linux
- Python | Circuit Python
- C++ | C#
- JavaScript
- **VBA**
- MATLAB
- Microsoft Power Apps | Excel
- SQL Server Management
- OnShape 3D Modeling

COMMUNITY SERVICE

Mount Christian United Methodist Food Drive Volunteer, 2018-2022

Assisted with the monthly food drive at Mount Christian United Methodist Church, supporting community outreach by organizing and distributing food to those in need.

World Help Volunteer, Lynchburg, VA, 2024

Contributed to global humanitarian efforts by assisting with the packing and sorting of clothing donations at World Help in Lynchburg, VA, ensuring essential supplies reached individuals in need in third-world countries.

WEBSITE

https://thecodingslab.github.io/GeraldWeaver-s-Website/

EXPERIENCE

Administrative Coordinator & Operations and Communications Coordinator; May

Liberty University Rocketry - Lynchburg, VA: **Optimized** project timelines and **team logistics** using industrial systems engineering principles, ensuring **efficient task** completion and streamlined workflows. Facilitated clear communication and precise resource allocation, while maintaining the Master Schedule and Budget with purchase order submissions and adjustments. Supported test launches, driving rocketry innovation in national competitions through process improvement.

- Avionics Systems & Software Development Engineer; May 2025 Present Liberty University Rocketry Lynchburg, VA: Developed and rigorously tested software for rocket avionics systems, ensuring precise data collection and robust system control for mission-critical operations. Collaborated with a multidisciplinary team to design, debug, and optimize code, integrating hardware and software to enhance the performance of sensors and control mechanisms. Conducted extensive system testing to ensure reliability.
- Software Engineering & Financial Data Analyst Intern; June August 2025 Smiths Detection - Edgewood, MD: Developed software solutions and analyzed pricing/cost data using Python, SQL, and Excel to support service contracts and improve margins. Conducted competitor pricing research, created visualizations, and presented insights to stakeholders. Collaborated with the pricing team to optimize processes and integrate data-driven solutions, enhancing system efficiency and strategic decision-making.

• Director of Recruitment; January 2025 - Present Liberty University IISE/ASSP - Lynchburg, VA: Directed recruitment for Liberty University's IISE/ASSP chapter, organizing membership drives, events, and outreach to attract over 50 new members and enhance engagement. Created data-driven promotional strategies, collaborated with executives on professional development goals, and coordinated workshops/guest sessions to foster inclusive involvement in industrial systems and safety initiatives.

• Houseman Intern; June - September 2024 Contemporary Hotel at Walt Disney World - Orlando, FL: Gained experience with Disney's engineering department, learning their operational duties. Maintained cleanliness at Walt Disney World's premier resort by assisting housekeeping with stripping rooms and ensuring public area cleanliness, while ensuring guest room standards were consistently met.

• Senior Customer Service Associate; August 2022 - August 2023

Walgreens - Bel Air, MD: Processed returns and exchanges, resolved customer issues, and operated a cash register for accurate transactions. Also assisted in training colleagues, instructed new hires, and managed inventory by stocking shelves and reporting levels to management.

• Sales Associate, Cook; February 2020 - June 2022

Way Back Burgers - Bel Air, MD: Resolved customer issues over the phone, ensured satisfaction by providing menu information, and managed finances with rapid calculations during closing procedures.

ORGANIZATIONS

- Engineering Missions & Research Club Project Leader; January 2024 January 2025: The Engineering Missions and Research Club (EMRC) at Liberty University is a student-led organization within the School of Engineering, focused on combining engineering skills with research and a passion for humanitarian service.
- Institute of Industrial & Systems Engineers Director of Recruitment; January 2025 - Present: Dedicated to supporting Industrial and Systems Engineering students through professional development and community engagement.
- Human Powered Rover Competition Team Previous Safety Lead; August 2023 -December 2023; Student-led competition team within the School of Engineering, focused on designing, building, and racing human-powered vehicles as part of the American Society of Mechanical Engineers (ASME) national competition.
- . Liberty University Rocketry Avionics Software & Systems Engineer Administrative Coordinator; May 2025 - Present: Developed and tested software for rocket avionics systems, ensuring precise data acquisition and reliable system control to drive competitive success. Managed project timelines, coordinated team logistics, and facilitated clear communication, optimizing resource allocation and team collaboration to advance innovative rocketry designs for national competitions.