

Allowyne Madison

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Summary

Motivated Electrical Engineering student with a background in robotics, circuit analysis, and lighting systems. Certified light technician with a focus on safe, efficient installations. Passionate about sustainable energy and applying innovative solutions to real-world electrical challenges. Looking to contribute technical skills to projects that support clean, efficient, and forward-thinking engineering.

Education

Bachelor of Electrical Engineering,
Howard University, Washington, D.C.

Aug 2024 – Exp. May 2028

High School Diploma

Kennedale High School, Kennedale, TX

Aug 2020 – May 2024

Work Experience

Assistant Manager – Journeys (Grand Prairie, TX)

Feb 2024 – Jan 2025

- Provided personalized customer service by helping shoppers find styles, sizes, and brands that matched their preferences.
- Maintained store organization by restocking shelves, setting up displays, and keeping the sales floor clean and presentable.
- Awarded Employee of the Month at Journeys for consistently exceeding sales goals and fostering a positive in-store experience.

Lighting Technician – Cornerstone Baptist Church (Arlington, TX)

Jul 2020 – Aug 2024

- Designed and configured stage lighting systems using DMX protocols for live services and special events.
- Engineered efficient power distribution setups while ensuring compliance with electrical safety standards.
- Installed, wired, and maintained intelligent lighting fixtures for dynamic and adaptive lighting effects.

Projects

S.N.A.I.I.L.S – Kennedale High School (Kennedale, TX)

Dec 2023 – May 2024

Spearheaded the development of a precision robotic arm integrated with an interactive learning interface designed to engage elementary and junior high students in hands-on STEM exploration

NASA H.U.N.C.H (Houston, TX)

Nov 2023 – Apr 2024

Collaborated on developing an augmented 3D-printed prototype IT tool at NASA's Johnson Space Center, designed for potential use and patenting aboard the International Space Station, while innovating with limited resources.

Skills

Research Experience: Critical Thinking, Circuit Design, CAD Design, Embedded Systems, Function Generators, Data Analysis, Complex Problem Solving, General Engineering Sciences & Energy Sustainability

Computer Programming: Java, JavaScript, C++, C, Python, Ruby, Raspberry Pi, Linux, & Ubuntu