

FAWAZ O. ABDULWAHAB

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Objective

To secure an internship opportunity within a renowned organization to further enhance my learnings, knowledge, and skills.

Education

Prairie View A&M University

Expected Graduation: May 2026

Bachelor of Science in Computer Engineering

GPA: 3.2

Minor in Supply Chain Management

Technical Skills

Microsoft Azure • Google Cloud Platform • SQL • HTML • C++ • Embedded C • CSS • Python • MATLAB • Simulink • CANape • CANSniff • Vercel • VirtualBox • Javascript • Microsoft Excel • Multilingual • Microsoft Office Suite • Linux

Projects

Fawazab.com

January 2024

- Implemented HTML, CSS, and JavaScript to create an interactive and visually appealing user interface.
- Managed web hosting and domain registration, ensuring seamless accessibility and user experience.
- Optimized website performance by implementing efficient coding practices and image compression techniques, resulting in a **30%** improvement in page loading speed.
- Incorporated interactive features using JavaScript to enhance user engagement and navigation, leading to a **15%** improvement in page interaction metrics.

Embedded Transmission System Control

May 2024

- Developed a real-time motor control system using Arduino, incorporating serial communication, CAN bus, and sensor inputs.
- Optimized message parsing and validation, improving data extraction speeds by **30%**
- Designed and implemented a graphical user interface (GUI) for real-time motor control, integrating a rotary encoder for precise RPM calculation, improving motor control accuracy by **35%**.

Experience

Embedded Systems Intern

May 2024 - Present

John Deere, *Waterloo, IA*

- Applied control theory and vehicle dynamics principles to optimize transmission performance, achieving a **15%** improvement in drivability and efficiency.
- Utilized Simulink for modeling, simulation, and testing of control systems, reducing development time by **30%**.
- Developed embedded software in Visual Studio for transmission control units (TCUs), ensuring high performance and robustness.

PVAMU Football Equipment Manager

October 2022 - April 2024

Prairie View A&M University, *Prairie View, TX*

- Enhanced practice efficiency by **20%** through coaching support and inventory management.
- Implemented team/position-based equipment organization, boosting accessibility by **30%**.
- Assisted in the transportation and implementation of athletics equipment at athletics competitions.

Supply Chain Intern

June 2022 - August 2022

Hamex Investments Limited, *Lagos, Nigeria*

- Improved supply chain process, increasing product distribution speed by **20%** and reducing outgoing costs.
- Implemented process improvements to mitigate risks, enhance control, and elevate customer satisfaction by **10%**.
- Developed operational platforms and project management strategies, which increased client satisfaction and efficiency.

Leadership

Treasurer

Black Students Union

October 2019 - May 2020

- Outlined and communicated profit strategies to increase profits.
- Identified and developed innovative strategies for payment handling and other functions.
- Generated monthly and quarterly projections while assisting with the annual budget.

Vice President

It Starts Here

August 2018 - February 2019

- Developed management strategies that increased member satisfaction.
- Created short and long-term strategic business plans that resulted in capital growth.
- Increased membership by **20%** by coordinating membership drives and supervising retention programs.

Activities & Achievements

PVAMU Dean's Honors • Hurricane Harvey neighborhood cleanup volunteer • Houston Food Bank volunteer • Centennial Chemistry Scholarship • The Troi and Kelley Taylor Scholarship • PVAMU Ignite Hackathon winner