

AMIR BREWER-LAW

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EDUCATION

North Carolina Agricultural & Technical State University

Greensboro, NC

Bachelor of Science – Mechanical Engineering

Aug 2022 – May 2026

Dean's List 2022 – 2023

Relevant Coursework:

Strength of Materials

General Physics I, II

Calculus I, II, III

Graphics for MEEN

Fundamentals of Thermodynamics

Engineering Economy

Mechanic I Statics

PROJECTS & SKILLS

RC Car Using Arduino | *Arduino Project*

Sep 2023 - Nov 2023

- Designed and built an RC car using 3D-printed parts designed in SolidWorks, incorporating crash detection sensors and Arduino programming for precise control and obstacle avoidance. Delivered a high-quality solution that exceeded project requirements.

SolidWorks(CAD) | MATLAB | Python C++ | Arduino | Data Collection | Data Analysis | Microsoft Excel | Machine Learning | Project Management | Prototyping & Fabrication | Conflict Resolution | Problem Solving | Critical Analysis | Time Management | Collaboration | Communication

PROFESSIONAL EXPERIENCE

Jewel-Osco | *Stocker*

Chicago, IL

Jun 2024 - Aug 2024

- Effectively managed inventory by restocking shelves and organizing the alcohol department, ensuring optimal product visibility and accessibility.
- Provided exceptional customer service by assisting patrons with inquiries and fostering a collaborative team environment, which enhanced my problem-solving and communication skills.

FedEx Ground | *Package Handler*

Chicago, IL

Jun 2023 - Aug 2023

- Efficiently compiled, scanned, sealed, and loaded packages, following both written and verbal instructions from the warehouse manager.
- Collaborated with other workers to load products weighing up to 80-100 pounds and processed 100-150 packages per minute for delivery.

Portillo's | *Team Member*

Chicago, IL

Sep 2019 - Aug 2022

- Trained and assisted new employees with various tasks, including food preparation and delivering finished dishes, while maintaining a friendly and professional attitude that increased repeat customers and referrals.
- Restocked supplies, cleaned and organized the store, and completed tasks promptly, improving overall efficiency.

LEADERSHIP & ORGANIZATIONS

The Mial Foundation GSO | *Member*

Greensboro, NC

Sep 2024 - Present

- Collaborate with local educators to develop and implement academic support programs aimed at improving literacy, math skills, and overall academic performance for middle school students.

- Lead mental health discussions, provided one-on-one mentorship, coordinated financial literacy workshops, and volunteered at educational events, offering both academic tutoring and emotional support.

Aggies for Engineering and Community Enrichment(AECE) | *Member*

Greensboro, NC

Sep 2024 - Present

- Lead engineering projects, organized environmental service projects like water stream cleaning, and mentored youth in applying mechanical and engineering principles to encourage confidence and skill development in STEM fields.
- Collaborated with fellow members to design and implement service initiatives, combining diverse skills to address community needs.

Kappa Leadership Institute of Chicago | *Member*

Chicago, IL

Sep 2018 - Jun 2022

- Created and maintained an effective team environment through collaboration and communication, modeling strong organizational and multitasking skills in a deadline-driven setting.
- Completed assignments ahead of schedule and assisted clients with produce, hygiene products, COVID-19 testing, and other essential resources.

After School Matters | *Apprenticeship*

Chicago, IL

Sep 2018 - Aug 2020

- During the summers of 2018, 2019, and 2020, I contributed ideas for new products and services based on market needs and collaborated with colleagues to develop presentations.
- Developed strategies for problem-solving and conflict resolution, fostering a more efficient and cohesive team environment.