Mohamed Makawi

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EDUCATION

University of Iowa — **Iowa City, IA**
BS in Industrial Engineering (Management Focus Area) — ***Expected Graduation: May 2027***
Minor in Business Administration

- Organizations/Awards: National Society of Black Engineers, Muslim Student Association, Sudanese Student Association

ENGINEERING EXPERIENCE

Schneider Electric — **Cedar Rapids, IA**
Field Sales Engineer - Internship — *June 2023 – August 2024*

- Collaborated on analyzing and utilizing One Line Reports within bFO (Bridge Front Office), Schneider Electric's Salesforce CRM system, enhancing customer relationship management through detailed equipment records and contact center interactions.
- Employed Tableau to integrate variables and constraints from One Line Reports, including circuit breakers and panel boards, to develop comprehensive 3D models based on customer specifications such as voltage and wire length.
- Regularly updated and managed customer information in bFO, ensuring accurate tracking of sales opportunities and optimized customer service through effective inter-territorial team collaboration.

Iowa Finance Authority, through Center for Worker Justice — **Iowa City, IA**
Intern – Application Advisor — *May 2022 – July 2022*

- Optimized data processes for income report generation to enhance financial aid distribution for over 1000 clients.
- Assisted families in distress with streamlined financial application procedures.
- Simplified government site navigation and translation for non-English speakers, enhancing system accessibility.

Equality Through Community — **North Liberty, IA**
In-Home, Patient Care Technician — *April 2024 – Present*

- Optimized care protocols for meal preparation and medication management to enhance patient support.
- Enhanced resident well-being through psychologically informed social activity programs.
- Coordinated with healthcare professionals to streamline patient health monitoring and improve care delivery.

American Chemical Society (Project SEED) — **Washington, DC**
Process Improvement Intern — *June 2021 – July 2021*

- Conducted chemical research and enhanced team collaboration for project optimization
- Interacted with leading scientists, including Moderna vaccine co-creator Robert S. Langer, for professional insight.
- Developed key professional skills, including resume writing, interview tactics, and securing internships.

ENGINEERING AND LEADERSHIP

National Society of Black Engineers — **Iowa City, IA**
Outreach Chair — *September 2022 – Present*

- Managed technical outreach and community awareness initiatives focused on engineering solutions.
- Led NSBE's educational programs, including technical seminars and tutorial sessions for STEM enrichment.
- Coordinated logistical aspects of NSBE club trips in collaboration with the executive board.

Black Girls Do Science — **Coralville, IA**
Black Girls Do Science and Ignite Consulting, LLC — *March 2023 – Present*

- Led STEM workshops for over 55 students across grades 4-12, focusing on renewable energy and circuitry.
- Taught renewable energy production using electrolyte liquids, fruits, vegetables, and DC motors.
- Guided students in constructing breadboard circuits with sensors to simulate responsive vehicle technologies.

Habitat for Humanity — **Iowa City, IA**
Team Member Construction — *March 2022 – Present*

- Enhanced housing construction efficiency for low-income families through optimized building processes and teamwork.
- Mastered diverse construction skills, ensuring high-quality execution in framing, roofing, and window installations.
- Developed proficiency in construction safety, focusing on ergonomic tool use and proper setup for variable work environments.

SKILLS FROM EXPERIENCE

Skills: Data Analysis & Optimization, 3D Modeling, Circuit Design, Construction Techniques, Tableau, Salesforce CRM (bFO), Professional Development, Process Optimization, Cross-Cultural Communication, Safety Protocols.