

# Kowther A. Hussein

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## EDUCATION

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**Prairie View A&M University**, Expected May 2018 Prairie View, TX  
Bachelor of Science in Chemical Engineering; 3.48/4.0 GPA  
Concentration in Biochemical Engineering

**Relevant Coursework:** Thermodynamics I & II • Material Science • Material Energy and Balance • Engineering Economics • Statics & Dynamics • Unit operation • Heat, Mass and Momentum Transport • Biochemistry

## SKILLS AND SOFTWARE PROFICIENCIES

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Microsoft Office • C## • MATLAB • Linux Operating System • Gaussian View • Python  
• Fluent in English, Arabic, and Somali

## WORK & LEADERSHIP EXPERIENCE

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Summer 2016 **The Boeing Company** Charleston, SC  
**Intern**

Worked with Chemical Technologies unit as a key member of a team of eight working on the automation of adhesion promoter.

- Developed test plans to validate boundary conditions of an adhesion promoter's application window
- Determined test perimeters for paint gun automation such as airflow and standoff distance
- Prepared surfaces to be coated by using mechanical and chemical methods, to deoxidize, remove grease, dirt and dust

Spring 2016 **Prairie View A&M University** Prairie View, TX  
**Research Assistant**

Research assistant with the chemistry department to build a foundation of functionalized graphene for sensitive biochemical sensors.

- Synthesized graphene and verifying specification to ensure product quality using Infrared, Nuclear magnetic resonance, and Ultraviolet-visible spectroscopy
- Modeled biologically specific materials using Linux Operating System, Gaussian View, and Python to assess the ability of amino acid and graphene layering

September 2012- February 2016 **Panda Express** Houston, TX  
**Assistant Manager**

Supporting various restaurants and working on improving guest satisfaction rating, safety, and improving sales.

- Managed a team of 12 and provided extensive training for new hires
- Improved quarterly sales by 27% through training associate on providing outstanding guest experience
- Ensured implementation of quality control and safety procedures
- Empowered the neighboring schools by hosting educational events and activities in neighborhood schools

## ACTIVITIES & HONORS

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Dean's List; 2014, 2015, 2016 • Prairie View A&M University, Society of Women Engineers (SWE) President • National Society of Black Engineers (NSBE) International Chair • Tau Beta Pi Honor Society • Muslim Student Association (MSA) Vice President • Thurgood Marshall College Fund (TMCf) Scholarship Recipient • TMCf 2016 Leadership Institute