

# ABDULLAH ALKHALDI

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## SUMMARY

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Highly motivated Mechanical Engineer. Seeking an entry level opportunity in a Mechanical Engineering role that will utilize my problem-solving skills and advance my growth as an engineer.

## EDUCATION

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**Kennesaw State University** *Marietta, GA*  
B.S. Mechanical Engineering, **Fall'20** 08/2017 – 12/2020

*Senior Project: Sterling Engine Power Plant* 05/2020 – 12/2020

- Developed a solar powered sterling engine system to provide a solar power plant for third world countries or off grid living.
- Conducted academic research to evaluate the idea of the product, and to find if there is any conflict with the patents available.
- Designed 3D modeling and FEA simulation of the product.
- Built a prototype to proven the validity of the product.

## SKILLS

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AutoCAD, 3D Modeling and FEA Simulation, MATLAB, Microsoft Package, Google Analytics, M.S. Project, Technical Writing, Cost Estimating, Problem Solving and Engineering Designs and Planning.

## EXPERIENCE

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**Kennesaw State University** *Marietta, GA*  
*Research Assistant (RA) - Advanced Materials Research and Education* 01/2020 – 05/2020

- Processing and synthesis of advanced materials and structures.
- Developing both field characterization techniques and in-situ monitoring for the microstructural and the effective behavior of advanced materials and structures.
- Understanding the failure modes of materials and structures, and how the microstructure and morphology of these materials affect the failure modes.

**Orabi** *Atlanta, GA*  
*Assistant Store Manager* 01/2017 - 12/2018

- Managed day-to-day supervision of the store, including sales, inventory, and promotional incentives.
- Prepared quarterly budgetary reports and Ensured excellent customer service.

## ACTIVITIES

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**ASME**, *Active Member.*

**SCE**, *Active Member.*

**ASO**, *Vice President.*

**Volunteer at Habitat for Humanity.**