

# Ama Ananaba

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## OBJECTIVE

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An efficient Mechanical Engineering major with 2+ years of work experience. Aiming to leverage a proven knowledge of Computer-aided designing, rapid prototyping, and Lean operations to successfully fill the Mechanical Engineering role at your company.

## EDUCATION

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### University of Kentucky

Lexington, KY

*Bachelor of Science, Mechanical Engineering*

Anticipated graduation: May 2023

Computer Aided Design, Rapid prototyping, Thermodynamics, Control Systems, Finite Element Analysis

## SKILLS

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- CAD
- Creo Parametric
- SolidWorks
- Lean VSM
- Rapid Prototyping
- DFM & DFA
- GD&T
- Microsoft Office

## PROFESSIONAL EXPERIENCE

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### Big Ass Fans

Lexington, KY

*Operations Engineering Intern*

July 2022 - Aug 2022

- Developed an organizational sheet that tracks the takt time of 5 stations in an operation line.
- Improved the overall cycle time for an operating line from 20 minutes to 15 minutes.
- Reduced transport and inventory waste for an operating line by 5% and 2% respectively.

### Schneider Electric

Costa Mesa, CA

*System Application Intern*

June 2021 - Aug 2021

- Designed and maintained remote control systems resulting in a 3% productivity boost for customer companies.
- Improved product lifetime by implementing EcoStruxure software to products for 10+ customer companies.
- Analyzed systems and defined products for all customers with installed Schneider Electric control systems.

### University of Kentucky

Lexington, KY

*Undergraduate Researcher*

Aug 2019 - May 2020

- Assisted Dr. Nelson Akafua with research assignments on vehicular projects utilized in healthcare and patient transport.
- Designed research projects and created 5+ prototype models using Creo Parametric.

## PROJECT EXPERIENCE

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### Pressure Vessel (Mechanical Design project)

Lexington, KY

*University of Kentucky*

Jan 2022 - May 2022

- Theoretically calculated stresses and safety factors of each component of the pressure vessel.
- Designed a pressure vessel on Creo Parametric and ran simulations for failures and deformation on ANSYS.

### Toyota Camry B-Pillar Paint Overspray Prevention (Capstone)

Lexington, KY

*Toyota*

Aug 2022 - Present

- Designed for manufacture and assembly of stainless steel prototypes with models created with Creo Parametric.
- Simulated prototype models for failures and deformation on ANSYS.

## LEADERSHIP ROLES

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### Volunteer, International Ambassadors Committee

Aug 2018 - May 2019

- Advocated and assisted recruitment and enrollment of international students into the University of Kentucky. Embracing 25 new students the following year.

### Senator, National Society of Black Engineers (NSBE)

Aug 2018 - Present

- Contributed to internal research and approval of electoral candidates, and made recommendations on bills and issues.

## HONORS AND AWARDS

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Bluegrass Scholarship (\$5,250)

Aug 2018 - May 2020

William C. Parker Scholarship (\$5,000)

Aug 2018 - Present

International Ambassador Scholarship (\$1,000)

Aug 2018 - May 2019

Academic Improvement Scholarship (\$300)

Aug 2019 - Dec 2019