

Kaleb Mekonnen

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OBJECTIVE - To gain experience and start my full-time career in electrical engineering.

EDUCATION

Kansas State University (KSU), Manhattan, Kansas

Expected graduation: May 2020

Bachelor of Science in **Electrical Engineering**

GPA – **3.35**

Relevant Courses – Linear Systems, Electromagnetics, Microcontrollers, Applied Scientific Computation, Optoelectronics

WORK EXPERIENCE

Electrical Engineering Department, Manhattan, KS

Lab and Teaching Assistant

August 2019 - Present

- Assist the professor in develop challenging and successful course work.
- Lead a group of 15 students in handling electrical equipment's and complete assignments in labs.
- Grade student assignments.

Biological and Agricultural Engineering, Manhattan, KS

Undergraduate research

May 2019 – July 2019

- Collected research data from several sources for ardupilot and pixhawk.
- Tested preliminary code for mavlink protocols.
- Troubleshooting circuit designs and find effective ways to reduce costs of drones.

KSU Physics Department, Manhattan, KS

Engineering Physics II Lab Assistant

January 2019 – May 2019

- Helped up to 45 students with homework questions and general class related questions.
- Verbally communicated with students in solving problems given in Lab and grade lab projects.
- Researched better teaching techniques to implement in classrooms implementing written communication.

PROJECTS

- Audio amplifier and tone control, (Completed 2018)
designed and built a circuit to filter audio frequencies for class.
- RC car, (Completed 2017)
coded and built a small battery powered RC car that follows a line using Arduino.

LEADERSHIP EXPERIENCE

National Society of Black Engineers, *Kansas State University*

August 2018 – Present

Senator, participated and helped organize events, assisted in fundraisers.

Intervarsity campus ministry.

June 2016 – June 2017

Group leader, Activity coordinator, Student Ambassador.

Leadership Team Development (LTD)

July 2015 – August 2017

Partnered with LTD to learn time management and effective communication skills.

ACTIVITIES

Solar Car Club, *Kansas State University*

January 2018 – Present

Founding member, working with a team of engineering students to build a miniature solar-energized car.

Robotics Club, *Kansas State University*

January 2018 – December 2018

Group team member, collaborator on project design.

Black Student Union (BSU), *Johnson County Community College*

January 2016 – May 2017

Body member.

Engineering Club, *Johnson County Community College*

August 2016 – May 2017

Body member.

SKILLS

Fluent in English and Amharic.

MATLAB and C