

**SAMIRAH GNANGBE**

Phone: (520) 491-9075 | E-mail: sag553@nau.edu

**SKILLS SUMMARY**

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**Technical skills:** Proficient in MATLAB, SOLIDWORKS, Microsoft Excel, and PowerPoint. Intermediate in ArcGIS, Windpro, and Furow

**Teamwork & leadership:** Experienced in reaching a common goal in class and at work with teams of 2-15

**Multitasking:** Balance full academic schedule, jobs, volunteering, and extracurriculars

**Problem Solving:** Uses critical thinking to creatively solve problems, assisting others to do the same as a tutor

**EDUCATION**

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**Northern Arizona University, Flagstaff, AZ**

**Anticipated graduation:** May 2022

**Majors:** Mechanical Engineering

**Grossmont College, El Cajon, CA**

August 2017- Dec 2019

**Majors:** Mathematics

**EXPERIENCE**

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**Energy/HVAC Data Management Intern** – NAU Utility Services

May 2021 - Present

- Manually or electrically acquire meter data to look at historical consumption, comparable building usage, and best judgment to evaluate energy and water consumption
- Review bills from 5 vendor for accuracy and communicate with other departments on campus to ensure on time payments to vendors
- Create and distribute customer bills and responding to customer inquiries
- Use SQL, Excel, and energy software to manage data and perform analysis to improve energy efficiency at NAU

**Thermodynamics Grader** – NAU Mechanical Engineering Department

Jan 2021- May 2021

- Create and grade homework and test problems for two thermodynamics I classes
- Proctor students during exams

**Peer Math Assistant** – NAU Academic Success Center

Aug 2020 – May 2021

- Provide individual and/or group assistance to 1-20+ students in math related content areas
- Assist students with development of necessary study skills, communicating in-person and in virtual environments
- Adapted to the learning style of each student, assisting them with understanding and retention of difficult topics

**LEADERSHIP AND EXTRA CURRICULA ACTIVITIES**

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**Participate in Collegiate Wind Competition(CWC)**

Sep 2021-Present

- GIS specialist in charge of creating maps and selecting a suitable site for an offshore wind farm in Gulf of Mexico.
- Designed an offshore wind farm in Gulf of Mexico, evaluated the farm losses, and annual energy production using Windpro.
- Made an analysis of the environment impacts of offshore wind farm and proposed some mitigation strategies.

**Participated in the Switch Energy Case Competition (SEA)**

Oct 2020- Nov 2020

- Created and led team of 4, planned and prepared group meeting and guided team to complete presentation within 2 weeks
- Team prepared a PowerPoint presentation and a 10-minute video on proposing an energy transition for a developing country
- Connected with professors and energy professionals to receive feedback on presentation
- Completed and presented 10-minute presentation in a timely manner to 2 judges

**Vice President, Energy Club, NAU**

Aug 2020-Sep 2021

- Assume the duties of the President in his absence including communicating with club members and leading monthly meetings
- Work on projects with 10 club members utilizing critical thinking to brainstorm ideas
- Maintain constitution and other organizational documents
- Attend weekly meetings with 10 club members to discuss current and upcoming projects

**AWARDS**

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- Dean's List for academic excellence 2017-2021
- New International Student Presidential Scholarship at Northern Arizona University
- Member of National Society of Leadership and Success/ Member of National Society of Black Engineers