

# David Laab-Garia

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## SUMMARY

Ambitious Engineering Intern keen to contribute boundless enthusiasm while expanding personal competencies. Dedicated to absorbing and leveraging new techniques and skills. Ready to positively impact all new and ongoing projects through diligent pursuit of exceptional final products.

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## EXPERIENCE

### Junior Tank Farm Operator

Bulk Oil Storage and Transportatio

October 2022 – November 2023, Ghana, Tema

Assisted in the inspection and maintenance of storage tanks and equipment, ensuring optimal operational efficiency and reducing downtime by 15%.

- Monitored tank levels and conditions, accurately recording data to maintain precise inventory control and prevent overflows or shortages. Assisted in the implementation of environmental protection measures, reducing environmental impact and ensuring compliance with regulations.
- Communicated effectively with team members and supervisors, enhancing coordination and reducing operational errors by 10%. Collected and analyzed samples of stored oil, ensuring product quality and adherence to industry standards, which resulted in a 5% increase in customer satisfaction.

### Engineering Intern

Ghana Water Company

October, 2021 – December 2022, Bolgatanga

- Assisted in the design and testing of automated systems using MATLAB and Simulink, reducing error rates by 15% and improving overall project efficiency.
- Collaborated with senior engineers to develop and optimize water treatment processes, enhancing system performance and reliability.
- Conducted data analysis on water quality metrics using Excel and Python, providing insights that improved compliance with regulatory standards.
- Supported the maintenance and troubleshooting of equipment, ensuring minimal downtime and efficient operation of water treatment facilities.
- Participated in field inspections and site assessments, contributing to the identification and resolution of operational issues.

### Trainee Drill Operator

Shaanxi Mining Company

January 2017 – September 2018

- Assisted in Executing Special Projects by operating and maintaining drilling equipment, completing 15+ special projects over 6 months, with a focus on precision and safety, contributing to a 20% increase in operational efficiency.
- Investigated equipment malfunctions and drilling inefficiencies, resulting in a 20% reduction in downtime over a six-month period using diagnostic software and technical assessments.
- Assisted in operating and maintaining industrial drilling equipment, successfully completing over 50 drilling projects within specified deadlines using equipment such as hydraulic and pneumatic drills.

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## PROJECTS

Logitrade Limited • [github.com/Laabk](https://github.com/Laabk)

**Collaborated with a team to develop applications that significantly enhanced productivity. These tools streamlined workflow processes, improved task management, and facilitated better communication among team members.**

Logitrade Limited • [github.com/Laabk](https://github.com/Laabk) • June 2022 – Present

**Assessment and preparation of locally made geopolymers to support unconsolidated formation during drilling process**

Oil and Gas • June 2022 – October 2022

- Led a team to manufacture a locally made geopolymer cement to enhance drilling stability in weaker formation.
- Formulated and tested geopolymer cement mixtures, achieving a 20% increase in compressive strength, and effectively supporting unconsolidated formations during the drilling process.

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**EDUCATION**

**Data Analytics**

Holberton School (ALX) • 2024

**Full Stack Software Engineering (Backend specialization)**

Holberton School (ALX) • 2023 – 2024

**Bsc. Petroleum Engineering**

University of Energy and Natural Resources (Sunyani) • 2018 – 2022

**West African Exam. Council**

Bolgatanga Senior High School • 2013 – 2016

**Basic Education Certificate Exam.**

St. Peters and Paul Junior High • 2010 – 2013

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**CERTIFICATIONS**

**Aapire**

Aspire Institute • 2024

- The program aims to cultivate leadership qualities among participants through workshops, seminars, and mentorship opportunities. This focus is crucial for preparing individuals to lead effectively in various contexts, whether in business, academia, or community settings. The Aspire Program provides networking opportunities with peers, mentors, and industry professionals. Networking helps participants build connections, gain insights, and access career opportunities..

**Alx Aice**

Alx • 2024

- ALX AICE is relevant for aspiring young leaders in Africa who are committed to driving positive change, fostering innovation, and building resilient communities.

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**INVOLVEMENT**

**Intern**

West African • Young leaders International • December 2020 – Present

- Assisted in organizing and coordinating youth leadership workshops and events, increasing participant engagement and satisfaction by 20%.
- Facilitated communication between the organization and community stakeholders, fostering partnerships that led to expanded program reach and effectiveness.
- Collaborated with team members to draft reports and presentations on project outcomes and impact, enhancing transparency and stakeholder communication.

**President**

University of Energy • Northern Student Union • May 2021 – October 2022

- Launched initiatives to promote diversity and inclusion within the Northern student body, leading to a 25% increase in participation from underrepresented groups.
- Led the development and implementation of student engagement initiatives, increasing student participation in union activities by 30% through targeted outreach and event planning.
- -Managed the union's budget and financial resources, ensuring efficient allocation of funds and achieving a 15% reduction in unnecessary expenditures

**Electoral Commission chairman**

University of Energy • society of petroleum engineers • August 2020 – October 2022

- Organized and supervised the election process, ensuring transparency and fairness, which increased voter turnout by 30% through effective communication and clear procedures.

- Developed and implemented election guidelines and protocols, maintaining compliance with university regulations and enhancing the credibility of the electoral process.
  - Oversaw the voting and ballot counting process, utilizing secure methods to ensure the accuracy of results and reducing the margin of error by 15%
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## SKILLS

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- tT Proficient in [Programming Languages]: Python, Java, C++, C
- vt Strong understanding of software development methodologies
- wt Experience with version control systems (Git) and issue tracking tools
- vt Strong understanding of engineering devops and automation
- vt Familiar with handling data using python, matlab and excel.
- tT Reservoir simulation software (e.g., Eclipse, CMG).
- tT Well logging and petrophysical analysis.
- vr Drilling techniques and equipment.
- vr Oil production engineering and Refinery
- vr Petroleum law and economics
- vt Flow assurance and integrity of materials
- vt Strong analytical and problem-solving abilities
- vr Excellent communication and teamwork skills
- vt Detail-oriented with a commitment to quality and safety
- T Ability to adapt quickly to new technologies and environments