RICHARD ABOAGYE

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SUMMARY

Seeking a quality career, that will allow me to improve and utilize my engineering education while gaining valuable research experience in a team-oriented and innovative environment.

EDUCATION

100 DAYS OF CODE, THE COMPLETE PYTHON PROGRAMMING BOOTCAMP, Dr. Angela Yu, **Udemy.com**

UNDERSTANDING HTML AND CSS, Anthony Alicea, **Udemy.com**

HTML CSS JAVASCRIPT PROJECTS, Dr. Sahand Ghavidel**, Udemy.com**

THE COMPLETE JAVASCRIPT MASTERCLASS, Phill Media, **Udemy.com**

THE COMPLETE REACT JS AND REDUX COURSE, Codestars, **Udemy.com**

BSc. Mechanical Engineering   **Graduated in July 2019**

Kwame Nkrumah University of Science and Technology (KNUST)   **First-class Honors**

Major: Mechanical Engineering

MSc. Water Supply and Environmental Sanitation   **Graduated in March 2023**

Kwame Nkrumah University of Science and Technology (KNUST)   **First-class Honors**

Regional Water & Environmental Sanitation Centre Kumasi (RWESCK)

Major: Water Supply and Environmental Sanitation

PROJECT / WORK EXPERIENCE

Richie, My React.js - Tailwind CSS Portfolio   richaboagye.com

- Designed and developed a modern portfolio website using React, showcasing my skills and achievements.
- Leveraged Tailwind CSS and its plugins for responsive and stylish design, including unique 3D effects with 'tailwindcss-3d'.
- Integrated email functionality using Email.js Browser, allowing users to reach out directly from the website.
- Utilized Framer Motion for smooth and captivating animations, enhancing the user experience.
- Implemented form handling and validation with React Hook Form and Yup, ensuring seamless interaction.

RichCommerce, AN ECOMMERCE PLATFORM   richcommerce.richaboagye.com

- Developed a feature-rich ecommerce frontend application using React, Redux Toolkit, and a robust tech stack.
- Implemented essential ecommerce functionalities including product listings, cart management, and user authentication.
- Integrated Firebase for secure authentication and real-time database interactions, enhancing the shopping experience.
- Leveraged React Router DOM for seamless navigation and utilized Framer Motion for engaging animations.
- Utilized Bootstrap and React Bootstrap for responsive design and visually appealing UI components.
- Proficiently managed application state using Redux Toolkit, ensuring smooth product interactions and state management.
- Incorporated React Toastify for user-friendly notifications, contributing to an intuitive user experience.
- Showcased strong frontend development skills with React and utilized Remixicon for modern and visually appealing icons.

RichTube, A YouTube Clone   richtube.richaboagye.com

- Skillfully developed a YouTube frontend clone using React, Redux Toolkit, and a rich stack of modern technologies.
- Replicated core functionalities, such as video playback, content recommendations, and user profiles, to mirror the YouTube experience.
- Integrated Firebase for user authentication and database management, enhancing user interactions and engagement.
- Expertly utilized Redux Toolkit for efficient state management, ensuring smooth video browsing and playback.
- Implemented responsive design principles with React Bootstrap and custom styling, delivering a visually engaging and adaptable interface.

RichFlix, A Netflix Clone. richflix.richaboagye.com

- Successfully built a Netflix frontend clone project using React, Redux Toolkit, and Axios, among other modern technologies.
- Replicated key features like content carousel, user profiles, and responsive UI components for an immersive streaming experience.
- Integrated Firebase for user authentication and real-time database interactions, elevating user engagement.
- Efficiently managed global state using Redux Toolkit, ensuring seamless content browsing and playback.
- Utilized responsive design principles to ensure cross-device compatibility and an appealing visual experience.

RichMail, A Gmail Clone richmail.richaboagye.com

- Created a Gmail frontend clone project using React, Emotion, Material-UI, and other modern technologies.
- Implemented key features including email composition, inbox view, and seamless navigation using React Router DOM.
- Leveraged Firebase for secure authentication and real-time data synchronization, enhancing user experience.
- Skillfully utilized Redux Toolkit for effective state management, resulting in a seamless and interactive interface.
- Demonstrated proficiency in responsive design principles and utilized Emotion for styling to ensure consistent user experiences.

RichedIn, LinkedIn-like Platform richedin.richaboagye.com

- Developed a LinkedIn frontend clone project using React, Emotion, Material-UI, and other cutting-edge technologies.
- Replicated essential features such as user profiles, connections, and news feed utilizing React components.
- Integrated Firebase for secure authentication and real-time database functionalities, enhancing user engagement.
- Skillfully employed Redux Toolkit for efficient state management, providing seamless interactions within the interface.
- Implemented responsive design principles with Material-UI, ensuring an appealing and consistent user experience.

Teaching Assistant (Fluid Mechanics and Lab TA), KNUST **August 2019 – August 2020**

- Supervised students.
- Explained in details mechanical concepts to students' understanding.
- Assisted Lecturers with their research publication projects.
- Helped academic tutors conduct classes, record keeping, and marking of assignment scripts.

INDUSTRIAL WORK EXPERIENCE

Graduate Trainee, Mechanical - AngloGold Ashanti Ltd (Obuasi Mine) **September 2021 – August 2022**

Process Plant (STP)
- Disassembling and assembling centrifugal pumps for use.
- Disassembling and assembling of bearing assemblies.
- Preventive maintenance activities on pumps.
- Preventive maintenance on mills (both sag and ball) and associated bearings.

Engineering Technical Services; Condition Monitoring
- Accountable for the health of plant equipment using oil analysis and vibration.
- Carry out scheduled machinery vibration data collection and performing analysis to evaluate equipment running condition and recommend corrective measures.
- Complete any non-routine inspection requests as required.
- Carry out scheduled machinery vibration data collection and performing analysis to evaluate equipment running condition and recommend corrective measures.

Mechanical Technician Intern, Ramoth Services Limited (AngloGold Ashanti) **June 2018 - August 2018**
- Wrote technical reports on daily activities performed in the company and helped conduct safety meetings in the mining area.
- Helped with overhauling activities conducted in all required trucks and actively engaged in the servicing of Excavators, bulldozers, tractors, smaller trucks, backhoe and other heavy-duty trucks.

Fault and Maintenance Intern, Electricity Company of Ghana (E.C.G). **June 2017 – August 2017**
- Helped extend electric power to remote areas where there was no electricity, and helped fix electrical faults by changing electricity cables lines, changing electric meters, etc.

Primary School Teacher, PAK Educational Complex, Obuasi. **September 2014 – July 2015**

- Taught upper primary classes Mathematics and Integrated Science and made sure all concepts and questions were addressed to their understanding. Helped prepare Junior High School final year students to write their first external exams, BECE 2015,

TECHNICAL SKILLS

Software and Design Applications

NPM	REACT	AUTOCAD	ArcGIS
HTML/CSS	PYTHON	SOLIDWORKS	Epanet
TAILWIND CSS	JAVASCRIPT	MATLAB	

ACADEMIC AWARDS

Regional Water and Environmental Sanitation Center Kumasi (RWESCK) Scholarship for Masters education (**2020 – 2022)**

LEADERSHIP AND ACTIVITIES

Leadership Training Workshop, KNUST **October 2018**
- Partook in the Dean of students three days Leadership Training Workshop where good leadership, competency in leadership and character training were taught.

Red Cross Society, Anglican senior high school, KASS **November 2011**
- Decided to be a member of the Red Cross Society of Anglican Senior High School and helped render health services to students during athletic competitions and general games.

REFERENCES

Dr. Yesuenyeagbe Fiagbe
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KNUST, Ghana
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Haizel Benjamin Ebo Abakah
Mechanical Superintendent - Process Plant
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Email: Behaizel@AngloGoldashanti.com
Mobile: +233243802956