RICHIE MOLUNO

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EDUCATION

University of Benin, Edo state, Nigeria   Expected December, 2022

Programme: Bachelor of Engineering, Mechanical Engineering.
Academic Standing: Second Class Upper (4.17/5.0).
Dissertation: Design and Implementation of Capacity Limiting RFID access control system.
Relevant Courses: Engineering systems and dynamics, **Engineering Design, Engineering Mathematics (Calculus, Numeric Analysis, Computational methods and Non-linear systems, Matrices and Vectors, Linear Programming)**, Control systems and dynamics, **Computer Aided Design.**

SKILLS AND INTEREST

Programming Languages: **Python, JavaScript**, HTML and CSS.
Frameworks/Libraries: **NodeJS, ExpressJS, MongoDB, PostgresQL. Mocha and Chai**
Developer tools: Git, GitHub.

PROJECTS

Byinks Marketing Communications | Digital Marketing | *Project link*   August, 2022.
- **Managed** a cross-functional team of 3 to deploy a fully responsive design of digital marketing web page.
- Optimized contact form and newsletters resulting in a 16% increase in user clicks and 35% in company sales.
- Implemented domain configuration and web hosting improving website reach by 20%.

Authentication API | *Github*   October, 2022
- Designed and deployed RESTful API for critical authentication processes for backend web apps
- Applied proper program structure and best practices, resulting in 50% improved code modularity for other projects.

Edge Realty | Real Estate Listing webpage | *Project link* | *Github*   August, 2022.
- Designed and implemented **RESTful API** to handle, listing, removing, search queries and buying properties.
- Designed **backend application** to manage and store user login, registration and password reset authentication.

WORK EXPERIENCE

Back-end Engineer - Boayant, Ikeja, Lagos state.   August, 2022 till date.
- Regularly inspected server code resulting in improved speed optimization.
- Performed thorough automated unit tests for deployed applications and APIs resulting in improved code quality and easy integration
- Collaborated closely with the product and design team to understand better end user requirements, resulting in improved end user experience.
- Implemented backend usability of all front side application

Intern - Outreachy - Open Science community, Saudi Arabia   October, 2022 till date
- **Co-ordinated open source** contributions for the development of backend API for an online educational platform improving effective collaboration within peers
- Implemented automated unit tests for test driven development resulting in reduced cases of reported API vulnerabilities.
- Deployed and maintained backend API's for testing using **cloud** services

Intern - Estate Department, Transport and works division. University of Benin.   June 2020 - August 2020.
- Completed tests to contribute to failure mode and effect analysis, complying with company policies and procedures reducing downtime by 15%.
- **Conducted** training sessions to ensure all safety regulations were adhered to, resulted in 40% decline in cases of workplace accidents.

VOLUNTEERING ACTIVITIES

- **Volunteered** for Google Developer Group, publicized the programme resulting in a 25% increase in turnout.   June 2022.
- **Coordinated** an immunization programme for over 300 children resulting in a 60% decline in reported cases.   May, 2019.
- Tutored a group of 12 students for an Engineering drawing exam, resulting in 66% ending the semester with an A. March, 2018.

ACHIEVEMENTS AND AWARDS

- Awarded Google Africa Developer Scholarship.   June, 2022.