

OSCAR WAKA

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[Portfolio](#) | [Github](#) | [LinkedIn](#)

SKILLS

Programming:	Python, JavaScript (ES6), Java, MQL4.
Web Technologies:	HTML, CSS, Bootstrap, React JS, Redux, EJS, jQuery, Express JS, Node JS.
Database:	MongoDB, Postgres, MySQL.
Data Analysis:	NumPy, Pandas, Matplotlib, Scikit-learn.
Others:	Jira, Git, Gitlab, AutoCAD, Heroku, Agile (Scrum).

EDUCATION

University of Waterloo, Waterloo, ON Masters of Engineering in Electrical and Computer Engineering (Distinction) Certificate in Business and Entrepreneurship	December 2020
Covenant University, Ota, Ogun B.Eng, Electrical and Electronics Engineering (First Class Honors) Diploma in Leadership Development	July 2017

WORK EXPERIENCE

Algorithmic Trader - Part-time, Quantis Africa, Lagos, Nigeria <ul style="list-style-type: none">Actively integrating my research findings and algorithmic solutions with a team of traders in developing trading algorithms for the forex and stock market. This contribution has improved Quantis portfolio performance by 20%, and made significant returns over the last year.Successfully increased the accuracy of trading algorithms by 15% by improving the adaptability of the trading strategy via extensive analysis on larger dataset. Thereby securing a \$25,000 seed funding based on the performance of the trading algorithms developed in MQL4.Improved the quality of the statistical model used in implementing trading strategies by 35%, using technical and fundamental concepts.	August 2019 – Present
Software Engineer, Seamfix, Lagos, Nigeria <ul style="list-style-type: none">Contributed to a cross-functional team by implement new features and updated existing features on SimROP (which is a sim registration portal), using Java EE, Hibernate, Postgres, JSP, and then deployed the project with Jenkins.Improved MTN sim registration field operations by 10% by implementing a falsely name detection machine learning algorithm using python data analysis libraries (such as pandas, numPy, etc.) and RNN algorithm.Under agile scrum methodology, I contributed to BioSmart WebApp (which is an online digital capturing platform) front-end development using angular to implement mockups and consume APIs, which improved business operations by 25%.	October 2017 – December 2018
Engineering Intern, NETCO, Lagos, Nigeria <ul style="list-style-type: none">Updated Existing IFC documents and drawings to meet Construction requirement, and prepared detailed Engineering design Electrical deliverables using AutoCAD for QIT Power Distribution Upgrade Project.Personal contributions made during the reviews of, Electrical and Instrumentation (E&I) construction scope of work, E&I system description manual and E&I Tie-in Plan, improved the teams overall performance by 10%.Updated FEED documents and drawings to meet detailed engineering requirement, while actively participation in Safety Drills, Project Safety Seminars, Giving safety tips at Meetings.	May 2015 – June 2015, January 2016 – June 2016

PROJECTS

Web Projects <i>Find-Campgrounds</i> <ul style="list-style-type: none">Developed an application to find campgrounds within an area. This application is a responsive and scalable application built to help campers find great camping grounds closet to them. At its core, this application was built using HTML, CSS, EJS, Bootstrap, Express JS, Node JS, and MongoDB. It implements full CRUD operations, handles HTTP request via web services, implements Authentication and authorization, and prevents common security issues such as SQL injection. <i>Burger Order</i> <ul style="list-style-type: none">Developed an interactive online burger ordering application. This application is a dynamic and interactive application built for making different combination of burger online. At its core, this application was built using React JS, Redux, CSS, and Firebase. It implements state management using Redux, routing, server request and authentication. <i>Portfolio</i> <ul style="list-style-type: none">Created a personal portfolio, which highlights my current projects and experiences using HTML, CSS and JavaScript.	
Academic Project <i>TWF (Teachers without Frontiers)</i> <ul style="list-style-type: none">Part of a team that improved an online library for grade VI and VII science students in remote areas of Pakistan, using their respective national curriculum. This increased student’s access to relevant resources by 20%. <i>Data Link Impairment Virtual Simulator</i> <ul style="list-style-type: none">Developed a virtual simulator with a friendly GUI using JAVA, to visualize, experiment and simulate the effects of impairments in a communication channel. This virtual simulator visualizes the effect of guassian noise, rayleigh fading, and rician fading on communications signals, while performing fast fourier transform and inverse fast fourier transform to show the frequency and time domain of the signals respectively.	

LEADERSHIP AND AWARDS

- **AEIES** (Association of Electrical and Information Engineering Students), *Ota, Ogun*
Academic Officer January 2015 – April 2015, August 2016 – April 2017
 - Ensured all programs strived to achieve set goals and performance objectives.
 - Facilitated and led tutorials for undergraduate level students.*Secretary* August 2015 – April 2016
 - Supported the president of the association in ensuring the smooth functioning of the management committee.
- **Honors student (*Class of 2017*)** July 2017
 - An award of excellence by the department of Electrical and Information Engineering for graduating with a first class honors (i.e with a CGPA above 4.5 out of 5.0).
- **Agbami Medical & Engineering Professional Scholarship** September 2014
 - A scholarship award given to undergraduate students in the medical and engineering field.
- **Team appreciation award** June 2016
 - Certificate of recognition for reporting a significant U-See U-Act with a potential to cause harm, awarded by ExxonMobil and NETCO, on the QIT Power Distribution Upgrade Project.

VOLUNTEER EXPERIENCE

- **ECE Mentorship Program, *Waterloo, ON*** August 2020 - December 2020
 - Providing a welcoming environment, and helping new graduate students integrate into graduate life and activities.
- **Happy Feet Campaign, *Lagos, Nigeria*** December 2014

It was a charity campaign aimed at given flip-flops to less privileged children.

 - Participant: Member of the planning committee.

CERTIFICATION

- *The web developer Bootcamp* – Udemy (2021)
- *React - The Complete Guide* – Udemy (2021)
- *Complete Python Bootcamp* – Udemy (2021)
- *Python for Data Science and Machine Learning* – Udemy (in Progress)