Ahizechi Nwankwo

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EDUCATION

BATH UNIVERSITY　　　　　　　　　　　　　　　　　　　　　　　　　**Bath, England**
Master of Engineering: Robotics Engineering　　　　　　　　　**September 2019 - May 2023**
- Grade: Upper Second-Class Honors (2:1)
- Core Modules: Mathematics 1 (75%), Mathematics 2 (97%), Artificial Intelligence (78%), Computational Intelligence (78%)

Notable Projects:
- Machine Learning: CNNs for Neural Spike Sorting, Genetic Algorithms Optimization
- Programming: Sudoku solver, Functional Calculator

MILL HILL COUNTY HIGH SCHOOL　　　　　　　　　　　　　　　　　**London, England**
A-Levels: 2 A's, 2 B's, including A in Mathematics　　　　　　**September 2017 - July 2019**

QUEEN ELIZABETH'S BOYS SCHOOL　　　　　　　　　　　　　　　**London, England**
GCSE's: 6 A*, 4 A including 9 in Mathematics　　　　　　　　**September 2012 - July 2017**

CODING PROJECTS

JustIT　　　　　　　　　　　　　　　　　　　　　　　**July 2024 – October 2024**
- Designed and developed a dynamic portfolio website using HTML, CSS, and JavaScript to showcase technical skills and creative projects.
- Tailored individual projects using SQL, Python, JavaScript, HTML, and CSS to meet specific language requirements, demonstrating proficiency in both front-end and back-end development.

Econya　　　　　　　　　　　　　　　　　　　　　　　　　　　**London, UK**
AI Integration　　　　　　　　　　　　　　　　　**October 2023 - November 2023**
- Led the development of AI-driven enhancements to optimize organizational processes and improve client outcomes, focusing on efficiency and automation.

University of Bath　　　　　　　　　　　　　　　　　　　　　　　　**Bath, UK**
Rotational Planar Capacitance Tomography Project　　　　　**January 2023 - May 2023**
- Developed an AI-powered object identification system using Convolutional Neural Networks (CNNs) within the Rotational Planar Electrical Capacitance Tomography framework, improving accuracy by 25% and reducing analysis time by 40%.

Healthcare Fall Detection System Project　　　　　　　　　**January 2022 - May 2022**
- Designed and implemented a fall detection system using a Convolutional Neural Network (CNN), achieving a 95% success rate in identifying fall scenarios in real-world testing environments.

WORK EXPERIENCE

VALORANT COACH　　　　　　　　　　　　　　　　　　　　　　**London, UK**
Tapin.GG　　　　　　　　　　　　　　　　　　**September 2023 – August 2024**
- Developed customized training programs that focused on individual player development and overall team strategy.
- Utilized advanced data analytics tools, such as Valoplant, to analyze gameplay and improve decision-making, resulting in a 65% improvement in competitive performance

DISTINCT MANAGEMENT　　　　　　　　　　　　　　　　　　　**London, UK**
Engineering and Infrastructure　　　　　　　　　　　　　　**July 2021 - July 2023**
- Assisted in research and project decision-making processes on a part-time basis, providing data-driven insights to optimize engineering projects.

TUTOR　　　　　　　　　　　　　　　　　　　　　　　　　　　**London, UK**
Volunteer　　　　　　　　　　　　　　　　　　　**September 2015 - Present**
- Facilitated the development of academic and creative skills in Mathematics, Sciences, and Music among students.
- Increased student performance by 60% on average through customized tutoring approaches and continuous assessment

SPORTS + ESPORTS　　　　　　　　　　　　　　　　　　　　　　**Bath, UK**
Team Captains　　　　　　　　　　　　　　　　　　**July 2012 - June 2023**
- Analyzed gameplay data to devise strategies, leading to a 2nd place finish in the National University Esports League.
- Championed leadership roles as a national-level swimmer and regional-level athlete.

TECHNICAL EXPERTISE

- Programming and Scripting: Python, C++, C, ROS, SQL, PostgreSQL, React, Node.js, EJS
- Web Technologies: HTML, CSS, JavaScript
- Engineering Tools and Platforms: MATLAB, FPGA, Arduino
- Software and Version Control: GitHub, Microsoft Office