Daniel Favour Oshidero

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EDUCATION

University of Bath   Bath, UK
Master of Science, Computer Science   *Current Avg, Distinction // Expected Grad. Oct 2024*
- Awarded the Global Leaders Scholarship for outstanding academic achievements and leadership potential.

Honours Bachelor of Science, in Architecture   *Second Class: First Division // Graduated Jul 2023*
- President of the African Caribbean Society, leading initiatives to promote cultural awareness and inclusivity.

Harlington School   London, UK
Mathematics, Physics, Art & Design   *A*, A, A // A-Levels 2019*

RELEVANT EXPERIENCE

Graduate Data Analyst   Jul. 2023 – Sep. 2023
KTC (Edibles) Ltd   *Wolverhampton, UK*
- Led the migration of Business Insight data to a daily automated SQL database, eliminating manual processes through the establishment of optimal data architecture within the SQL environment as well as the development and scheduling of automation scripts for data validation and input from Access servers.
- Enhanced Sales Reporting Dashboard through the development of features such as financial rebate adjustments and contract management. Implemented VBA scripts for end-user data input, and Row-Level Security features to control dashboard access based on the user.
- Conducted data modeling, and identified and rectified data anomalies and duplicates to improve data quality.
- Documented data within a Data Dictionary for the future implementation of a company-wide data lake.

Data Science Intern   Jun. 2023 – Jul. 2023
Datern   *Remote, UK*
- Developed SQL, Power BI, and Python skills for data analysis to improve data processing efficiency and accuracy, for better-informed business decisions.
- Extracted large datasets and insights utilising Python web-scraping and machine learning algorithms for higher accuracy predictions.

Skills Co-Creator | Senior Ambassador   Nov. 2022 – Jul. 2023
University of Bath   *Bath, UK*
- Conducted comprehensive research to identify skill deficiencies amongst the University community.
- Collated and analysed data to inform the development of training programs and educational resources.

PROJECTS

Pool | Hack South West 2024 Hackathon | *React-Native, Node.js, Firebase*   *Runner-Up // Feb. 2024*
- Placed 2nd place creating a finance app for fund pooling and investment through gained interest on loans.
- Demonstrated scalable cloud integration and account authentication with secure data management.

CHIP-8 Emulator | *C, SDL2*   Nov. 2023 – Present
- Developed CHIP-8 emulator with SDL integration, featuring state management, instruction decoding, and graphical output scaling.
- Implemented opcode execution, sprite drawing with collision detection, and timers, using bitwise operations and memory management.

Bloom | *JavaScript, React, React-Native*   Oct. 2023 – Jan. 2023
- Spearheaded the engineering of "Bloom" as part of an Agile development team, a cross-platform mobile application combining entertainment and interactive learning about indoor plant care.
- Leveraged UX and HCI best practices to architect a seamless and intuitive user interface .
- Implemented advanced state management with offline data persistence using *redux* and *async-storage*.
- Integrated sophisticated navigation solutions to enhance app performance and usability through *react-navigation*.

TECHNICAL SKILLS

Languages: C/C++, Python, SQL, JavaScript (ES6+)/EJS, HTML/CSS, Bash/Shell Scripting, VBA
Frameworks: React, React-Native, Node.js, Express.js, Bootstrap, Axios, Mongoose, jQuery, SDL, SCSS (SASS)
Databases/CSPs: SSMS, Oracle, Access, MongoDB/Atlas, Firebase
Developer Tools: Git, Jira, AWS, VS Code, Visual Studio
CAD & Visualization Tools: PowerBI, Figma, Canva, Adobe Photoshop, Adobe InDesign, Adobe Illustrator, Autodesk AutoCAD, Autodesk Revit, Rhinoceros 3D, 3DS Max, Unreal Engine, Twinmotion, Enscape
Certifications: AWS Cloud Practitioner, The Complete 2023 Web Developer Bootcamp, C Programming for Beginners