Daniel Favour Oshidero

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EDUCATION

University of Buckingham   Buckingham, UK
Master of Science, Applied Data Science   *Expected Grad. Jul 2026*

University of Bath   Bath, UK
Master of Science, Computer Science   *Distinction // Graduated Oct 2024*
Honours Bachelor of Science, in Architecture   *Second Class: First Division // Graduated Jul 2023*
- (2024) Awarded the Global Leaders Scholarship for outstanding academic achievements and leadership potential.
- (2023) President of the African Caribbean Society, leading initiatives to promote cultural awareness and inclusivity.

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

RELEVANT EXPERIENCE

Software Engineer   Sep. 2024 – Present
ETAS (Bosch)   *Manchester, UK*
- Collaborated as part of team developing MLR (Most Likely Repair) software, leveraging sequential pattern mining for next-likely vehicle component breakdown predictions.

Graduate Data Analyst   Jul. 2023 – Sep. 2023
KTC (Edibles) Ltd   *Wolverhampton, UK*
- Led the migration of Business Insight data to an automated SQL database, eliminating manual processes by optimising the SQL data architecture.
- Developed and scheduled automation scripts for data validation and input from Access servers to streamline operations.
- Enhanced Sales Reporting Dashboard through feature development including 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 user.
- Conducted data modeling, and identified and rectified data anomalies and duplicates to improve data quality.
- Led the creation of a data dictionary resource to improve organisation for the implementation of a company-wide data lake.
- Collectively improved the company's data management and reporting capabilities as measured through employee surveys.

Data Science Intern   Jun. 2023 – Jul. 2023
Datern   *Remote, UK*
- Enhanced data processing efficiency and accuracy through advanced SQL, Power BI, and Python utilisation, enabling more strategic business decisions.
- Extracted large datasets and insights utilising Python web-scraping and machine learning algorithms for higher accuracy predictions.

PROJECTS

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, Neo4j Certified Professional, The Complete 2023 Web Developer Bootcamp, C Programming for Beginners