Sade Onitiri – Coker

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Personal Profile

I'm a dedicated and enthusiastic individual with a strong interest in programming, problem-solving, and software design. I am currently pursuing a bachelor's degree in computer science at City University of London, where I have excelled in key modules like programming, algorithms, and systems architecture. With hands-on experience developing applications using Python, Java, and SQL, I have a solid understanding of software development principles and an ability to work through complex problems. I am eager to apply my skills in software engineering and further develop my expertise in building scalable and efficient software solutions.

Education

BSc Computer Science – City University of London *(Ongoing)*
- Achieved a 1st in all completed modules, including Programming in Java, Databases, Introduction to Algorithms, Systems Architecture, and Operating Systems.

CS50: Introduction to Computer Science – Harvard University *(2022)*

A-Levels - Alexandra Park Sixth Form *(2020-2022)*
- Psychology (A), Biology (B), Business (B)

GCSEs - Alexandra Park School *(2015-2020)*
- 9 GCSEs, Grades 7-5, including Mathematics and English

Experience

Data Analyst Intern, Howden Re *(Summer 2024)*
- Worked within the Business Intelligence team to conduct exploratory data analysis (EDA) using Python and Pandas, providing actionable insights for business decision-making.
- Utilized Python to clean, analyse, and visualize large dataset.
- Gained proficiency in working with large data sets to support data-driven decisions.

Social Media Strategist, Time to Stay *(Part-time - Ongoing)*
- Led efforts to optimize the company's social media presence by analysing engagement data, which resulted in a 57% increase in user interaction.
- Developed and maintained a database in Notion to track social media metrics, contributing to the development of effective growth strategies.
- Demonstrated adaptability and teamwork by taking on additional responsibilities in a dynamic small business environment.

Projects

Personal Finance Web Application
- Developed a Python and SQL-based web application to track personal finance by calculating balances and managing inflows and outflows.
- Implemented additional features, such as a wish list function that informs users of the impact of potential purchases on their balance.
- Skills Utilized: Python, SQL, HTML, CSS, Flask, Web Development

Java Game Development: 2D Platformer Game
- Developed a 2D platformer game using Java and the City Engine physics library, featuring interactive game mechanics and AI-controlled enemies.
- Implemented collision detection, health regeneration, projectile firing, and scoring systems, creating a fully functional and engaging game.
- **Skills Utilized**: Java, Git/GitHub, Game Development, Physics Libraries, Object-Oriented Programming

Technical Skills

- **Languages:** Python, Java, SQL, HTML, CSS
- **Software Development:** Object-Oriented Programming (OOP), Web Development (Flask), Software Design
- **Database Management:** SQL, Database Design, Query Optimization, Data modelling, ER modelling
- **Tools & Technologies:** Git/GitHub, Visual Paradigm, Flask, CityEngine Physics Library
- **Methodologies:** Agile Development, Version Control, Problem-Solving