Romiro Steve Johnson

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Personal Statement

As a final-year student at the University of Kent, pursuing a Bachelor's degree in Computer Science with a focus on Artificial Intelligence and a Year in Industry, I am deeply driven by problem-solving and committed to achieving excellence in my field. My proficiency in multiple programming languages and my ability to produce efficient, clean code have been developed through personal projects and academic achievements. In my first year of study, I attained a first-class grade, and I am dedicated to maintaining this standard throughout my education. I am a passionate learner, as evidenced by completing the Google Data Analytics specialization in my spare time.

In addition to my technical skills, I have cultivated valuable soft skills during my tenure at ByteBlanket and Infor. Effective communication in challenging situations, collaborative teamwork, and meeting tight deadlines without compromising quality are skills I've honed.

Education

The University of Kent, Computer Science with Year in Industry   **2020-2024**

Stage 2 Result: Distinction
Modules:

Algorithms, Correctness and Efficiency,   Database Systems,
Introduction to Artificial Intelligence,   Functional Programming,
Introduction to Cyber Security,   Computer Systems,
Software Development,   Web Development

Stage 1 Result: Distinction
Modules:

Further Object-Oriented Programming,   Foundations of Computing I,
Problem solving with algorithms   Foundations of Computing II,
Intro to Object-Oriented Programming,   Databases and the Web,
Human Computer Interaction,   Computers and the cloud

Cambridge International School, Dubai, UAE   **2007-2020**

A-levels: Computer Science, Maths, Physics
AS-Level: Travel and Tourism
IGCSE: Mathematics, Computer Science, English First language, Physics, Business, Accounting, Travel and Tourism, Psychology

Work Experience

SE Placement, Infor   **Crawley, UK**   **Jul 2022 – Jul 2023**

As part of my university placement year, I have been selected to work for Infor, a leading company that acquired Lighthouse Systems and its flagship product SFOL, a Manufacturing Execution System (MES). I am currently part of the MES department in Infor, where I have been introduced to the world of MES and have had the opportunity to work alongside major companies and learn about their manufacturing processes. This experience has been fascinating and has enabled me to improve my backend and frontend skills by implementing scripts and custom processes that involve communication with ERP systems such as SAP. During my time at Infor, I have gained extensive knowledge of various technologies, including .NET Framework, OPC, RabbitMQ, SQL Server, and C#. This experience has not only enhanced my programming skills but has also improved my communication skills as I frequently interact with customers. Overall, my time at Infor has been invaluable in terms of professional development and exposure to the world of MES.

Data science intern, Byte Blanket   **Dubai, UAE**   **Jun 2020 – Dec 2021**

During my tenure at ByteBlanket, I immersed myself in the field of data science. I worked with data visualization tools such as Tableau and engaged in innovative projects, including a speech recognition system and a fingerprint recognizer. As a valuable team member, I conducted research and development for multiple projects, prepared workflows, and contributed essential features. This experience equipped me with extensive skills in database management, including MySQL and MongoDB, and data analysis for real-world problem-solving.

Projects

1. **Speech Recognition Security Enhancement Program**
   - Developed the backend of a speech recognition program utilizing AI.
   - Focused on enhancing application security.
   - In progress: Creating a user-friendly frontend for seamless integration.
2. **Image Visualizer with Machine Learning**
   - Led the development of an image visualizer powered by machine learning.
   - Analyzes user-provided images to generate comprehensive content reports.
   - Ongoing research and development.
3. **Python 4098 Game Clone**
   - Programmed a Python-based clone of the popular 4098 puzzle game.
   - Implemented game mechanics, user interface, and scoring system.
   - Demonstrated problem-solving and game development skills.

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Skills

Programming Proficiency: I have been immersed in programming since my IGCSEs, affording me the opportunity to acquire and master a diverse range of programming languages prior to commencing my university studies. While I have gained substantial expertise in the following programming languages, I am committed to continuous improvement in my skills, focusing on producing efficient and clean code.

Programming Languages:
- Python
- Java
- PHP
- JavaScript
- SQL
- C#

Technical Skills:
- Backend and frontend scripting
- Database management (MySQL, MongoDB)
- Data analysis and visualization (Tableau)
- .NET Framework
- OPC
- RabbitMQ
- SAP integration

Additionally, I have cultivated the following complementary skills:
- Problem Solving: Throughout my initial year at university and beyond, I have consistently enhanced my problem-solving abilities, delivering efficient solutions across various programming modules and projects.
- Adaptability: My experience at ByteBlanket demanded quick thinking and the ability to develop effective solutions under tight deadlines.
- Leadership: I possess strong leadership qualities, demonstrated through effective task delegation in both academic and professional contexts.
- Lifelong Learning: I maintain a strong passion for learning, actively engaging in courses and extracurricular activities outside of university to broaden my knowledge and enhance my workflow.
- Language Proficiency: In addition to English, I am also proficient in Sinhalese, my mother tongue.