

Russell Ampomah

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Recent graduate with a passion for technology and an educational background of Maths, Physics and IT. Seeking practical experience in computer and software engineering to progress my development and gain exposure to the various sectors of the industry.

Experience

Tech Trainee La Fosse Academy Oct 2022 - Feb 2023

- Studied web development, REST APIs, databases, testing and working according to agile methodology
- Applied JavaScript, Python, HTML, CSS, React, Git, etc. to team and pair programming tasks
- Built and presented 4 Full Stack web application projects alongside teammates

Maths Teaching Intern Professional Learning Network Jun - Jul 2021

- Attended weekly teacher training and observed lessons at placement school
- Supported teachers in delivering lessons and lesson planning in the maths department
- Recorded a daily observation log and produced a research presentation

Technical Officer Enactus York Sep 2021 - Mar 2022

- Updated and maintained the society website
- Aided project teams with technical inquiries alongside other support teams
- Interviewed and recruited new team members

Education

University of York 2019 - 2022

BEng - Electronic Engineering 2:1

Holyport College 2017 - 2019

A Level - Maths, Physics, Further Maths

Ghana Christian Int High School 2015 - 2017

GCE O Level - Maths, Physics, Chemistry, English, Additional Mathematics, Geography, ICT

Skills

Programming Languages

Python, JavaScript, C#, Java, C, HTML, CSS, SQL

Tools and Frameworks

Git, GitHub, Visual Studio, Node.js, Docker, React, .NET, Svelte, Express, Flask, Django, NumPy

Databases and ORMs

Postgresql, MongoDB, MySQL, SQL Server, Entity Framework, Prisma

Competencies

Agile Methodology, FPGAs, Web Development, Frontend, Backend, Object Oriented Programming, Algorithms, Data Structures, Version Control

Projects

Habitual

- Habit tracking app created with JavaScript & PostgreSQL
- Implements user authentication/authorization
- Allows habit management and tracking

Early Bird

- Multiplayer quiz game built with React
- Retro design developed with Tailwind CSS
- Real-time game rooms using WebSockets

House Your Plant

- House plant health & monitoring application
- Plant-specific watering and care information
- Plant health monitoring with image analysis API

Final Year Project

- Analysing the progression of Parkinson's Disease with Machine Learning
- Processed patient data in Python to construct Machine Learning model training dataset
- Trained prediction models with PyTorch & Sci-Kit Learn with up to 94% accuracy

Other Achievements

Certifications

Microsoft Azure AI Fundamentals 30th April 2021

Activities

Virgin Media Challenge 23rd March 2021

- Online challenge run by Virgin Media for students
- Worked in a team of 6 students on a solution to the current e-waste problem
- Produced a presentation with data provided by Virgin Media

Eton Holyport Investment Club 2018

- Researched and produced group reports on whether to sell or keep stocks
- Worked in the energy sector team researching on potential buys

Hobbies and Interests

Football, going to the gym, Psychology, History, Personal GitHub Projects