

Tunde Alao

Personal Profile

Highly focused and determined Computer Science undergraduate at the University of Southampton. Experienced in independently developing software for clients that solve a wide spectrum of problems such as abstracting large data into a comprehensive format. Seeking for a role in the trainee engineering program where my professional and technical skills can further be developed.

Education

2014 - Present University of Southampton	MEng Computer Science Algorithmic: Using wide range of data structures and algorithms to write efficient programs. Wrote a program in java which compares different sorting algorithm to calculate their time complexity. Programming: Developed java applications to simulate a Mandelbrot set and a hospital which can receive several patients and have their illnesses diagnosed and treated by appropriate doctors. Data Management: Used data manipulation tools to analyse large data and make decisions about user habits and motivations.
2011 - 2013 Walworth Academy Sixth Form	A level Maths - A A level Physics - B / AS Physics - A: Developed a pragmatic and analytical approach to problem solving. Used mathematics to find solutions to scientific problems by applying analytical skills. A level Computing - A: Created an application using Visual Basics which creates a communication medium between employees and clients

IT Skills

Developed an android app, 'Here or Not', in Java during my first week at University which solved a problem faced by several students. It allowed users to see at any time if friends are in their room or not. The app was featured in the university news paper and downloaded by more than 100 students.

Attended two hackathons and achieved first place in both.

In the first, I developed an indoor location app in Java, it uses trilateration with bluetooth beacons to estimate the indoor location of a user. Developing the accuracy of the system in my spare time.

In the second, I developed a game using google street view where the user will have to physically find a location in a limited time. In the story mode the user can unlock set locations in different cities.

Published several other android apps; One where users can wake their friends up with personal messages. Another which allows users to ask any question amongst their friends, gain insight and quickly make decisions. Finally an app which monitors and rewards users for the amount of time spent on various apps. It was developed as a method of motivating users to use affiliate apps.

Wrote 200 lines of code every day in the past 6 months in mostly Java and Python.

Experience

2013 Counsellor at Arrival Education	Carrying out this role involved helping clients explore their feelings and emotions to come up with alternate ways of doing things. <ul style="list-style-type: none">• Established a relationship of trust and respect with clients.• Actively listening to problems to come up with solutions.• Patience in dealing with clients who struggle with opening up
2012 App developer at start up	In charge of developing and testing various functions of the app. <ul style="list-style-type: none">• Conduct extensive research to find out the most effective way of implementing features• Became proficient in Java, PHP and SQL.• Collaborated with a group of 10 to implement features to secure the transfer of data from server to the application

Personal Skills

- **Leadership:** Working for myself as an independent software designer helped me develop this skill. Occasionally i delegate a team of up to 5 to solve difficult tasks.
- **Problem solving:** Working as a councillor my objective was to solve the problem of others, this helped me develop a method to solving problems. Studying A level Physics and working as an IT Technician has also helped me develop this skill.
- **Team work:** Gained experience while working as a retail assistant, app developer at a start up and IT technician. I enjoy working in a team and due to my skills of listening and communication my team members also enjoy working with me.

Other skills: Time management, Inquisitiveness, Creativeness, Research and Public speaking.

I understand there is room for improvement as such I have several plans in place to help me further develop these skills.

Interests

Avid Chess player
Member of Southampton University Rugby Team
Exploiting security of popular applications
Stock trading



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