Andrew White MEng

SENIOR ENGINEER

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Summary

A degree qualified Electronic engineer, who has personally developed skills in software development, through online courses and projects, in Java, Python, Android and more who is looking to challenge themselves in a new career direction in a software engineering role.

Projects

Published Android App
Multiple stopwatch application, developed using Java and Android Studio, that can manage up to 12 individual timers on one screen. Makes use of Android lifecycles, gesture control and multithreading.

Internet Connected Digital Photo Frame
Automatically downloads and displays images that are sent to an email account or uploaded to cloud storage. Device can be managed remotely. Constructed using a Raspberry Pi and peripherals and software developed in Python, run on a Linux operating system. Four photo frames made and in use.

Meal Planner and Shopping List Application
A GUI program developed with Java, JavaFX and SQL that allows the user to plan their weekly meal schedule and generates a shopping list of ingredients for that plan.

Employment

Senior Engineer at an electronics repair company that specialises in satellite uplink equipment
Problem solve and repair a variety of high power amplifiers. Dramatically improved the companies Microsoft Access database using VBA; adding audit trails, user forms, data validation and verification and a new electronic stock management and semi-automatic stock procurement system. Technical lead on an internet of things remote monitoring system for industrial machines to detect early signs of component failure. Correspond with customers to provide technical support. Took responsibility of laboratory documentation to provide clear and improved procedure and job sheet documentation. Work effectively in a small dynamic team.

Education

Electronic Engineering, Masters of Engineering with Second Class Honours (Upper Division) at the University of Southampton

Technical Skills

Java	VBA	Basic HTML, CSS and JS
JavaFx	Android	Raspberry Pi and Linux
InttelliJ	Android Studio	Basic SQL
Microsoft Access	Python	Data structures and Algorithms
Hardware Debugging	Problem solving	Basic GitHub