

Wayne S Murphy-Jerrett

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Location

Braunton EX33 2DB

Open to opportunities in
Bournemouth, Bristol, Exeter and
Remote working

Github

<https://github.com/mahmon>

LinkedIn

<https://www.linkedin.com/in/wayne-siegfried-murphy-jerrett/>



Software engineer & First class computing and electronics graduate, specialised in Java and Android development

Building a profitable business, nurturing employees to peak performance, and attaining the highest degree grades in computing and electronics have all given me the chance to build a unique set of technical and transferable skills that will ultimately make me a very valuable member of your development team.

Developing an Android app for my dissertation allowed me to showcase my skills in object-oriented analysis and design, Java programming and Git version control. More importantly, it gave me the chance to highlight my ability to manage iterative / agile development; to autonomously find solutions to complex technical problems; to efficiently direct and reflect on my own learning and to maintain a professional level of personal organisation and motivation.

If you are looking for an Android developer to join your team, someone who is very quick to learn, competent, dedicated, reliable, upbeat and productive then I would be delighted to learn more about your business and your requirements for an ideal candidate.

Technical Skills Matrix

Java	Excellent
HTML5	Excellent
CSS3	Excellent
Assembly	Good
Bootstrap	Good
C / C++	Good
PHP	Emerging
Linux SysAdmin	Emerging
SQL	Emerging

Apps / Frameworks

NetBeans	Excellent
IntelliJ IDEA	Excellent
Android Studio	Excellent
Scrum	Excellent
Git / Github	Good
UML	Good
MPLAB	Good
Proteus	Good
JUnit	Emerging

Transferable Skills Matrix

Problem Solving	Outstanding
Personal Motivation	Outstanding
Organisation	Outstanding
Creativity	Excellent
Leadership	Excellent
Critical Thinking	Excellent
Communication	Excellent
Teamwork	Excellent
Project management	Excellent

Professional Experience

Cotham Technologies – Software Engineer

September 2018 (Current)

- Currently working on porting and innovative enterprise level iOS application to the Android platform. Adapting solutions developed in Objective-C code and native libraries to the Java / Android platform.

North Devon Hospice – Online Trading Manager

2015 until beginning university

- Doubled revenue streams and halved production times by developing the team to identify high-quality merchandise to sell on eBay
- Significantly raised online brand consistency by creating high quality HTML templates in line with company marketing
- Increased inflows of merchandise by nurturing communications between team members and shop managers

Balalabeads – Business Owner

2008 to 2014

- Developed a successful costume jewellery retail package, achieving £150,000 per annum net trade sales in under two years
- Created highly effective brand marketing, including an e-commerce website, achieving £25,000 per annum net direct sales in under two years

Kit Heath – Design Manager

2005 to 2008

- Motivated the design team of an international jewellery brand, resulting in big gains in the product conversion rate from concept to commercial success
- Boosted product quality by training the team to use CAD/CAM, and personally designed numerous best-selling products using CAD/CAM

Academic Achievements

The Open University

BSc (Hons) – First class
Computing & Internet Technologies

University of Plymouth

Foundation Degree – Distinction
Digital Technology (Computing & Electronic Engineering)

Recent projects

Visual timetable mobile app for students with autistic spectrum disorder – Final dissertation. 2017 – 2018

Beginning with research into the problems faced daily by autistic children trying to cope in mainstream schools, I identified an opportunity to digitise an existing analogue support strategy into a useful Android mobile app. This gave me valuable first-hand experience of developing for the Android platform, working in Android Studio, using Java, Git version control and efficiently managing my workflow through an iterative development model.

Artificially Intelligent Robot Recruiter – Second year group project. 2016 – 2017

In recognition of the need to go the extra mile to get distinction level marks, my team mates and I challenged ourselves to build a humanoid artificially intelligent robot. The module allowed us to gain valuable experience in managing a team project using the SCRUM framework which, after three sprints, had resulted in us producing a fully functioning, interactive, AI robot that received a glowing appraisal from the customer. I was personally responsible for designing and 3D printing the robot body parts using OpenSCAD; for programming the microcontroller using C/C++ to animate the robot movements and facial expressions; for interfacing the robot with a Raspberry Pi and incorporating a text-to-speech voice function using Python.

Notable degree test results

Electronic system design – 93%

- Developed a functioning 12-hour clock using Assembly programming language
- Designed specifically to run on PIC microcontroller, using MPLAB IDE
- Built and tested an operational circuit design using Proteus

Object oriented programming – 88%

- Assimilated an understanding of the fundamentals of using the Java programming language and its value
- Absorbed the principles of object-orientated analysis and design including abstraction, encapsulation, inheritance and polymorphism
- Evolved an appreciation of the importance of software design patterns such as the observer pattern, the decorator pattern, and the strategy pattern, solidifying my knowledge of the function and implementation of these designs

Analytical Methods – 86%

- Acquired a foundation of mathematical knowledge applicable to both computing and electronics
- Solidified an understanding of various mathematical disciplines used throughout all schools of engineering including algebra, differentiation, integration and manipulation of matrices
- Applied these principles to solve real world computing and electronic engineering problems

Honours

Letter of commendation – July 2018

I was honoured to receive a letter of commendation from the principal, congratulating me on an exceptional achievement in my studies for BSc (Hons) Computing and Internet Technologies. The letter stated that the award board had requested that my achievement and effort be formally recognised.

Charity work

The Trussell Trust – 2014

I found volunteering at the local food bank a very rewarding and worthwhile experience. My job was to greet the customers when they arrived, offer them tea and biscuits and, if they wanted, a sympathetic ear.

Personal Interests

- Kite surfing / Surfing
- Analogue photography
- Retro gaming
- Motorbikes
- 3D-printing and robotics
- Classic sci-fi & horror film