Jay Massey

Currently based in Worthing but will be moving shortly.

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I am a Computer Science graduate with a keen interest in combining programming and electronics, alongside a love of taking complex designs and making them run more efficiently. I have 5 years of experience designing various embedded systems in an academic environment, both as an individual and as part of a larger team. My current goal is to pursue a career path that will allow me to further improve and diversify my current skill set.

Education

University of Brighton   *Brighton, East Sussex*
BSc (Hons) Computer Science   **09/2017 – 09/2020**

Graduated with a 2:1 honours degree. Achieved a 1st in various modules; several of these are below.

- **Agile Methodology** – Managed projects effectively through a variety of agile model practices.
- **Embedded Systems** – Designed many circuits operating C, bare metal / assembly, and RTOS.
- **Mathematics** – Learned a variety of discrete concepts, including logic, set theory, and calculus.
- **Programming** – Produced numerous Java, Python, C#, and C++ object-oriented programs.

A further breakdown of various topics that focused on blending software and hardware are listed below.

- **Systems** – Carried out tests on coded circuit boards containing PIC and AVR microcontrollers.
- **Networks** – Packaged IoT data on Ethernet, Bluetooth, USB, and Wi-Fi, via UART and TCP/IP.
- **PCB Design** – Produced detailed PCB layouts from designed circuitry and self-made schematics.

Also worked with Git (Software Control), HCI, HTML & CSS, JavaScript, JML, Lua, OCL, Requirements Analysis, SQL, UML, and Visual Studio. Currently learning about Linux and VHDL for FPGA programming.

A variety of computer science projects are available to view at **https://jaymassey98.github.io/portfolio**.

Previous Education   **09/2011 – 09/2017**

Electronics AS (B), Mathematics AS (B), Physics AS (C) – 13 GCSEs, 6 A's, 5 B's, 2 C's, incl. 2 A's in English.

Work Experience

Peacocks   *Hove, East Sussex*
Duty Manager   **11/2016 – 04/2019**

- Led a fast-fashion retail chain store for 2+ days a week, during my superiors' days off for a year.
- Promoted from key holder after demonstrating excellent store knowledge and leadership skills.
- Supervised teams of 4 - 8 people to deliver consistent KPI's and high standard customer service.
- Experienced in handling payroll, cashing up and banking to ensure the store operated efficiently.

Also have experience in designing highly efficient PC systems built with a mixture of new and used components. All voltages and timings were manually adjusted based on results from specific stress tests, where several groups of variables were changed each time based on the binary search method for efficient unit testing. This was done to minimise the amount of time needed to ensure a stable system which has an increased relative performance.

Personal

Additional Skills – Driving; entertaining; first aid trained; live presenting; Microsoft Office, especially Excel.
General Interests – Bouldering; designing; gaming; ice skating; philosophy; strength training; overclocking.