

Jay Massey

jaymassey98@gmail.com – 07450123428 – Brighton (Worthing based now but moving shortly)

I am a Computer Science graduate with a keen interest in microcontrollers and low-level languages, 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

Bsc (Hons) Computer Science

Brighton, East Sussex

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 object-oriented Java programs to solve a range of tasks.

A further breakdown of various embedded systems that utilised microcontrollers are listed below.

- **Analog Systems** – Carried out tests on numerous PIC circuits with interconnecting subsystems.
- **Data Protocols** – Used AVR microcontrollers alongside protocols such as UART and TCP/IP.
- **Networks** – Packaged data for many IoT devices through Ethernet, Bluetooth, USB, and Wi-Fi.

Also worked with Git, HCI, HTML & CSS, JavaScript, JML, Lua, OCL, Python, Requirements Analysis, SQL, Visual Studio, and UML. Currently learning about Linux, software control, 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

Duty Manager

Hove, East Sussex

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.

Currently designing and selling highly efficient PC systems, built with a mixture of new and used components. All voltages and timings are manually adjusted based on results from specific stress tests, where several groups of variables are changed each time based on the binary search method for efficient unit testing. This is done to minimise the amount of time needed to ensure a stable system, ensuring it is ready to sell online for profit.

Personal

Additional Skills – Driving; entertaining; first aid trained; live presenting; Microsoft Office, especially Excel.

General Interests – Boulderling; designing; gaming; ice skating; philosophy; strength training; overclocking.