


Ash Horton

07908404049 

Ash@Ash-Horton.co.uk 

[Linkedin.com/in/Ash-Horton](https://www.linkedin.com/in/Ash-Horton) 

Ash-Horton.co.uk 

Profile

I'm a well-organised and resourceful software engineer with a BSc Physics degree and a strong experience in computing, excellent problem-solving ability, and practical skills in electronics.

I'm a highly motivated team player, keen to take on new challenges and I'm looking to work with a business that can help me further develop my skills and range in technology.

Key Skills

- **Python** – Practical knowledge of Python in controlling and automating microwave oven functions for testing. Further use in university Lab work, modules and home projects.
- **Simulink** – Creating system models for microwave ovens with an emphasis on reliability and reusability. Generating embedded C code.
- **Computational Physics** – University module focusing on modelling complex systems in physics with Python.
- **3D Printing and Design** – I have my own 3D printer which I use to design and print components for home projects.
- **Linux and Windows Systems** – Excellent knowledge of both systems in general administration, Batch scripting and Powershell / Linux terminal.
- **Raspberry Pi and Arduino** – Multiple projects for both home and University work.
- **Batch Scripting** - Used in setting up multiple laptops with identical settings, files and drivers installed.

Work Experience

Panasonic, Embedded Software Engineer

April 2023 – Present

- Simulink model design and code generation for microwave ovens.
- Adding software features to customer specifications.
- Extensive software testing prior to mass production release.
- Use of python for creating and running both software and hardware endurance tests.
- Use of Arduino and Picoscope for signal testing.
- Daily use of Jira for managing product defect tickets and tasks.
- Version control of software and documents across a team using Tortoise SVN.
- Report writing of software tests including data analysis of potential failure rates.

IVC Evidensia, Finance Assistant

August 2022 – April 2023

- Attention to detail - Checking customer accounts are fully up to date, finding correct information and updating as required.
- MS Office - Using Excel to check and edit large CSV files. Using MS Teams to effectively collaborate within my team, share progress updates and share ideas.
- Communication – Working as part of a small team to achieve goals towards the wider company.

British Army, Vehicle Mechanic

October 2011 – April 2021

- Vehicle Repair – My main role was to repair and maintain a fleet of MAN trucks and Land Rovers carrying out both physical repairs and technical diagnostics.
- Organisation – The military demands the highest of standards in regard to time management, personal organisation, and presentation.
- Mentoring – Later years of my career required training and mentoring newly qualified mechanics to ensure strict vehicle repair standards were upheld.
- Teamwork – I worked both independently and as a team depending on job requirements.

Netheravon Parachute Centre, Coach and Tandem Instructor

January 2015 –

August 2018

- Teaching – I briefed a group of up to 15 students at a time regarding their parachute jump, ensuring each person understood the risks and rules before participating.
- Responsibility – I was accountable for the wellbeing of my students throughout their time at the parachute centre, ensuring their safety at all times.
- Teamwork – The parachute centre operates with a small team, each with many responsibilities to make sure the centre runs safely and efficiently. I also worked closely with the videographer to capture footage of the descent and landing.

Education and Qualifications

- University of Bristol, BSc Physics, completed June 2022
- Simulink Courses including embedded code generation and C code integration.
- Bmet College, Access to Engineering Technology (Distinction – A Level Equivalent)
- British Army, NVQ Level 3 in Equipment Maintenance Engineering
- GCSEs A*-C including Mathematics and English

Other Interests and Hobbies

- Homelab setup on a mini PC running Proxmox with both LXC and VM.
- I spend a lot of my free time experimenting with Raspberry Pi based projects.
- I enjoy learning new programming languages and I am currently focusing on C++.
- I regularly complete escape rooms and other puzzle-based games.