

Baily Martin
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Qualifications

Subject	Level	Achieved Grade
Maths	GCSE	A
Chemistry	GCSE	B
Biology	GCSE	A
Physics	GCSE	B
Computing	GCSE	C
Business Studies	GCSE	Level 1 Distinction
Geography	GCSE	B
Graphics	GCSE	B
PE	GCSE	Level 2 Merit
English	GCSE	B

Subject	Level	Achieved Grade
Business Studies	AS-Level	C
Computer Science	AS-Level	A
Maths	A-Level	D
ICT	A-Level	B
English Language	A-Level	B

Subject	Level	Achieved Grade
Computer Science	Bachelor's degree	2:1

Higher Education Modules (BSc Computer Science)

Year One	Year Two	Final Year
Computer Science Immersive Introduction	Embedded Programming and The Internet of Things	Full-Stack Development
Databases: Analysis, Design and Development	Object-oriented Software Engineering with Design Patterns	Software Project Management
Software Engineering	Computer Science Integrating Project	Advanced Computing and Networking
Cybersecurity Essentials	User-Centred Interface Design	Alternative Paradigms
Algorithms, Data Structures and Mathematics	Database Applications Development	Computing Project
Principles of Infrastructure	Computation Theory and Artificial Intelligence	

Previous Work Experience

Office Outlet (Formerly Staples). Nov 2015-May 2017, Oct 2018-March 2019

As a 'Sales Associate' I was required to fulfil many different duties around a busy retail store. This position allowed me to develop vital interactional skills with both customers and colleagues. I was relied on to plan, design and maintain areas of the store both independently and as part of small teams. This furthered my team working and organisation skills. This role heavily involved face-to-face sales. This required me to have an extensive knowledge of the products and services available. This was especially true when selling PCs, laptops, tablets, software etc. where existing knowledge allowed me to become an effective salesperson. I needed to demonstrate versatility with this job as I was often required to assist in other departments as well as my own. This would sometimes add elements of urgency to tasks which meant I was having to work under pressure at times. It also meant I had to have a general understanding of these departments.

Quaife.net July 2019-March 2020 (HTML, CSS, React.js, Node.js, Express.js)

As part of my studies at the University of Plymouth, I undertook a one-year sandwich placement at Quaife.net, a local financial services company. My role as a Junior Developer involved the development and maintenance of web-based systems. This required a level of commitment, self-motivation, and a high capacity to learn new languages and technologies. I worked closely with the business' senior developer, who was based in the United States. This was hugely beneficial as I learned a range of new languages, frameworks and techniques which developed my skillset for future projects.

I worked as a full stack developer on some projects which exposed me to a wider spectrum of challenges. I developed my knowledge of requirement analysis, front and back-end development, AWS web hosting, MySQL, RESTful APIs, and project management amongst other things. Other day to day tasks included designing professional HTML email campaigns, assisting with development of the online banking system, and providing valuable data and insights to the operations and support teams.

One project I was particularly proud of was the management system; a web-based software that provided real time and historical business insights such as transaction counts, transaction rejection rates and revenue estimates for individual merchants. The purpose of this system was to provide a central hub for analytical data which could aid decision-making across the business. I took the lead on developing this system, being responsible for design, full-stack development, and maintenance. The management system supported the operations and customer support teams in their day-to-day work as they could rely on the analytical data to make well informed decisions and communications with clients.

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Teacher of Computing September 2021 – June 2022 (Current)

After completing my degree I decided to undertake SCITT (School-based, Initial Teacher Training) During this time I worked in two local secondary schools as a trainee teacher. This was an incredible experience which presented many challenges and opportunities to develop myself both personally and professionally. I learned the importance of thorough planning, high quality practice and how to uphold high standards for myself and my students. My confidence has seen a huge increase during this time as demonstrated that I was a dependable, respected, and professional teacher. As well as subject knowledge, I also needed a comprehensive understanding of teaching and learning, pedagogy, metacognition and safeguarding of young people. Each day presented its own set of challenges and situations to deal with. For this I needed to be adaptive, professional, and proactive in my day-to-day work to ensure students were safe, engaged and making progress both in and outside of school. Other transferrable skills from my teacher training include leadership, project management, ICT skills, accountability and building positive relationships with colleagues and students.

Other Strengths and Skills

- Working knowledge of computer hardware, software, and architecture.
- Experience with different programming languages/frameworks. (Java, C#, Python...)
- A desire to learn new languages, technologies, and skills.
- 3D printing and basic 3D modelling.
- Networking hardware and software.
- General ICT skills (word processing, spreadsheets, databases etc.)
- Micro-controllers, single board computers and basic embedded programming.
- Fundamentals of game development in Unity.
- Basic mobile app development (React native + Expo)
- Qualified Teacher Status (Computing 11-18yrs)
- A [Minecraft mod](#) with 500k+ downloads (Java)

Personal Statement

I'm a local to Cornwall having lived here all my life. I do like to travel and see new places however I have always wanted to remain in Cornwall for work. Staying close to my friends and family is something I see as especially important. I'm also very insistent on having a good work-life balance and staying in Cornwall allows me to do so. As a professional I would like to consider myself reliable. I hold a great appreciation for thoroughly planned projects delivered to a high standard. I would consider myself more introverted but I'm capable of working effectively and professionally within a team.

One obvious interest of mine is computing, I enjoy working on software and hardware projects related to my own interests and hobbies. I have a particular interest in video game culture and enjoy collecting various games, cards, and figures. Outside of computing/gaming some hobbies include collecting vinyl records, playing football and 3D printing/modelling. Some projects I have worked on in my own time include a raspberry Pi retro arcade cabinet, a Pi smart mirror, Minecraft mods/servers, and some basic Unity games.

As a recent graduate and qualified teacher I'm looking to get back into software development as a career. My specialism so far seems to be in cross platform web apps but I'm open to exploring new disciplines and roles to keep my skillset broad. I'd be especially interested in a role that draws upon my skills gained as a teacher or related to my hobbies/interests. I'm due to complete my teacher training at the end of June 2022 so I'd be looking to start work after then.