

JAMES BALE

Computer Science Student

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WHO AM I?

A passionate student studying computer science with skills in many languages and areas of development, as indicated to the right. I balance a full-time University education with part-time Army reserve officer training as part of Wales UOTC, an active life as a member of Aberystwyth Mountain Bike Club, as well as plenty of time socialising with friends. As well as my technical skills, I possess strong customer service skills, developed from experience working in a customer-facing environment, as well as freelance work I have undertaken.

Experience



EXPERIENCE

2019 - Current	Web Application Development This is the first full scale, professional project I worked on, developing a website/web app for an online product reviewer working on YouTube. The site's main function is to provide short overviews and technical details of products reviewed, linking back to the main review video. I am developing the website using the Pyramid Web Framework, Directus CMS, MariaDB, NGINX, and deploying on a remote VPS. Not only am I developing the backend infrastructure for the site, I am additionally working in HTML and CSS to develop the front end user interface. Pyramid Web Framework / NGINX / Directus Headless CMS	Freelance Project
8/2016 – 8/2017 part time	Cafe Front of House Staff Front of house staff handling customer interaction, payments, till operation, preparing and serving drinks, waiting tables, and end of day cleaning. Left to dedicate more time to 2nd Year A Levels Customer Service Interaction / Working in a stressful environment	Palmer's Garden Center
6/2014	Work Experience Placement 2 week work placement shadowing IT and Music Services technician working with a wide range of equipment, from single PC's to working in complete recording studio using an iMac. Equipment Maintenance / Serving and updating PC's / Troubleshooting BIOS errors	De Montfort University

EDUCATION

2018 - 2022 Ongoing	Bachelors Degree I am studying computer science and am in my 2nd year of study having completed my first year with a 1st and a 82% average. Key modules I passed last year include programming in C for the Arduino platform in a networking project, developing with OOP in Java to build prototype software for a multi-story car park system, functional programming in Haskell, and theoretical computer science. This year I am studying modules including robotics and embedded systems, a further web programming module, software engineering, and databases.	Aberystwyth University
2016 q- 2018	A Levels Computer Science - A Physics - C Maths - C	Wygggeston and Queen Elizabeth I College
2014 – 2016	GCSE's Computer Science (A), Maths (A) and Physics (A), Chemistry (B), Biology (B), RE (B), Art (B), Music (B), English Literature (B), English Language (B)	Countesthorpe Community College

RELEVANT TECHNICAL SKILLS

- Experience managing and deploying on remote Linux servers via SSH
- Understanding and competent use of Git version control
- Previous experience working for public clients and managing demands
- Knowledge of using NGINX web-server to host both static files and as a reverse proxy to web applications.
- Experience using React and Gatsby to build small scale sites

OTHER SKILLS OR ACHIEVEMENTS

- 1st Dan Blackbelt in Freestyle Taekwondo
- Silver Duke of Edinburgh Award
- Silver Crest Award (A British Science Association Program) This was achieved when doing the Bronze level award, however our work was deemed above and beyond Bronze level by the examiner who awarded us the Silver award.
- I was a member of the Leicestershire County Schools Orchestras for a decade
- I can play the drum kit to a Grade 8 and above standard
- During my second year of A levels, I was selected (with 1 other) to mentor struggling first year students within computer science.

REFEREE #1

Dr Patrica Shaw
Academic Tutor

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HOBBIES AND INTERESTS

- I am a keen mountain biker, and get out as often as I can with the MTB Club, and I hold a position on committee this year as marketing and social media for the club.
- I enjoy socialising, and as social secretary for Aberystwyth Detachment WUOTC for 2019/20, organise our social events, as well as manage and run the bar in the Army Reserves Centre in Aberystwyth.

REFEREE #2

Mr Richard Pells
Drum Tutor for 9 years

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