Mr. Edward Charles Richmond BSc (Hons) MBCS

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I am a highly motivated and detail orientated individual with knowledge of computing technologies, graphic design, and law in addition to well-documented history of teamwork, collaboration, and self-motivation. I thrive in environments which demonstrate flexibility, accountability, and continuous development. Outside of work, I write for Cyber Security journal SecJuice and I am learning the Bagpipes.

SKILLS

Programming

- Proficient: HTML, CSS, JS, SASS, SCSS, XML, JSON, C#, Blazor, .NET, Entity Framework, CRUD / Rest principles
- Familiar: Bash Scripting, PHP, Python, C

Systems/Technology Skills

- Linux Administration, Electronics, MySQL/NoSQL, Git, Azure/Digital Ocean administration, DNS management, Penetration Testing (Blue/Red)

Professional Certifications

- ISC2 Certified in Cybersecurity– Gained 2023
- Enhanced DBS Certificate – Gained 2023
- LFC131: Green Software for Practitioners – Gained 2023.
- Advent of Cyber 4 Certification – Gained 2022.
- Microsoft Azure Fundamentals – Gained 2021
- Advent of Cyber 3 Certification – Gained 2021.
- Microsoft Technology Associate (Operating System Fundamentals) – Gained 2012
- CompTIA A+ - Gained 2012

Personal Development

- Enhancing knowledge of SQL, Javascript & Programming Patterns.
- Learning to play bagpipes, tutored by Scots Guards Pipe Major Steven Duffy.

EXPERIENCE

Freelance   2023-Present

Self-Employment

- Providing Software Development, Hosting, Consultation, Cyber Security Awareness and I.T Mentoring to self-sourced clients. My ambition is to source a part or full time role whilst maintaining a small base of freelance clients as I enjoy aiding the community and private clients at large with my skills.

Parentull Limited   2019-2023

Director

- I founded Parentull to continue development of my BSc (Hons) Computer Science dissertation project which focused on helping families in conflict become better co-parents. The project received much acclaim from solicitors, district judges and domestic abuse awareness advocates and MKM boss, David Kilburn CBE. Parentull was successfully accepted into the Microsoft Startup Programme under my stewardship and had access to the benefits which came with that membership. We have also contributed some £350 to local charities to feed vulnerable children and families.

- In my role as company director, I am solely responsible for ensuring that the company complies with its legal responsibilities. This includes but is not limited to GDPR compliance, HMRC/Companies house submissions. Likewise, I am also responsible for ensuring infrastructure, software and online presences are secure. Parentull was closed in 2023.

University of Hull   August 2022-October 2022

Intern

- I contributed to the development of Safety Critical Software used by leading car manufacturers by removing legacy dependencies from web output and ensuring modern standard compliance alongside result verification. In addition, furthering knowledge and experience with testing and verification tools such as Jasmine.

C.E Pittaway Ltd   September 2021-February 2022

Internship/Full Time Employment

- I was assigned to solely create an internal application to manage staff hours, company projects, customer information and other sensitive information reporting to the Director; I was also given with full decision-making over the software and access to use company finances for the project.

- I opted to create a .NET Blazor Server-Side application utilising github as source control with master/dev branches, subsequently deploying to Azure with a horizontally scaling SQL instances. I utilised opensource libraries to enhance the UI/UX and ensured requirements were gathered with the whole company in mind.

- The result for Pittaway was an application which enabled all 140 staff to migrate from paper-based processes to paperless and forward thinking processes with automation of certain tasks via Office 365.

Student Ambassador / Student Demonstrator   September 2019 – December 2021

University of Hull

- Multiple roles of responsibility alongside studies which included providing public facing representation and assistance at events pre-covid and online throughout the pandemic; this included supporting lower year students on previously studied modules in tandem with lecturers.

- Throughout these roles, I was able to help students understand computer science concepts and signpost both the public and students to resources available at the University and in the Hull area. Examples being For Entrepreneurs Only and the Student Resources List available at github.com/FreesideHull/StudentResources.

Freelance   2011-2020

Self-Employment

- Providing consultation, hosting, development and implementation services to self-sourced clients including political parties, SMEs, media personalities (including Universal Records signed artists) and high street supply chain partners. Throughout the duration of self-employment, I completed a variety of projects whilst maintaining a working knowledge of customer systems and providing aftercare where applicable.

Production Assistant/Technical Operator   2009-2011

Minster FM

- Starting on a two week work experience placement, I stayed at Minster FM for 2 years taking up multiple roles where I provided technical support to remote broadcast teams, created content for broadcast on-air, took part in public facing events and supported Minster FMs sister stations.

EDUCATION

Vision for Education   2022

Hull, Yorkshire

- Children's Safeguarding Certificate
- Autism Awareness Certificate
- Challenging Behaviour Certificate

University of Hull   2017-2021

Hull, Yorkshire

- Computer Science with foundation year – 2:2

Delivering a cross-platform LawTech application built with C#, .NET, Blazor & EFcore to assist families in conflict become better co-parents, my dissertation project received tremendous feedback from Refuge founder Erin Pizzey, MKM Boss David Kilburn, District Judge Hardy and Pepperell Solicitors for bringing together technology and law to solve a complicated people problem for which there is very little legal aid available despite ONS data showing a rise in co-habiting, yet not married, parents and single, divorced parents.

Throughout the degree programme, I led several group projects including Systems Analysis and Agile Development. In both projects, I worked with students from a variety of backgrounds and skillsets for which I had to adopt different management styles, including encouraging and mentoring anxious and apprehensive team members resulting in 1st grade work.

The most challenging yet rewarding module I undertook was Electronics and Interfacing where the coursework required the creation of a game with both hardware and software. Despite not working with hardware very much previously, I was 1 of 3 students on the module who successfully implemented multiplexing via chip despite the harder learning curve, again resulting in 1st grade results.

Outside of modules, I took part in multiple societies and organisations including Boxing Club, HullCSS and Freeside – the student run Linux Cluster. I was promoted to moderator status within Freeside where I also acted as press and promotional officer arranging hoodies, a promotional pop-up banner and flyers, stickers, secret santa and a new website; though most notable was the student resources list (SRL) I founded which subsequently gained success on campus often being seen in other students bookmarks or github forks, but also receiving submissions from other universities/countries as well as from Hacktoberfest. In 2022, a year after my graduation, the SRL was also featured on multiple students CVs and was still the most popular public facing repository for Freeside.

Hull College   2015-2016

Hull, Yorkshire

- Access to HE Law Diploma – Merit

Ignorantia Juris Non Excusat which is the reason I opted to expand my knowledge of the legal systems in the United Kingdom on a pathway which offered mooting and visits to court alongside a very in-depth introduction to the law.

York College   2009 - 2011

York, Yorkshire

- BTEC Diploma in Print Based Media – Merit

- BTEC First Diploma in Media – Merit