

Professional Profile

A focused individual who seeks to swiftly and fully understand the key details of any task at hand in order to ensure its successful and complete resolution, with an approachable and friendly attitude, supported by strong communication skills and a drive towards expanding my existing skill set and a passion for technology and how it can be applied to solve pressing issues.

Recent Experience

October 2020 - Present – Publicis Sapient (UK): Associate Software Engineer

- Publicis sapient is a digital business transformation company.
- Currently working with their client, Nissan, to migrate their car configurator to a newer JS framework (Vue JS), and to build a component library using Lit.
- Also revamping their charity 'Sending Machine' project, which is a React-based project and provides the exact food that foodbanks need, when they need it.

September 2021 – Present – Inquire Media: Head of Technology and Newspaper Science & Technology editor

- Inquire Media is the University of Kent's student publication.
- At Inquire I have built a new website for them using HTML, Bootstrap, PHP, JS and AWS (EC2, DynamoDB, Lambda, API Gateway).
- Also work as their Science and Technology editor for the newspaper, as well as providing editorial guidance/expertise on other sections of the newspaper.

February 2021 – November 2021– Cambridge Journal of Law, Politics and Art: Associate Editor

- The Cambridge Journal of Law, Politics and Art is a new journal, seeking to cover the often overlooked, but fascinating interaction between the three disciplines.
- I was an Associate Editor for their law section, which involved editing pieces as required for the inaugural edition, as well as sourcing a piece from a solicitor on the maritime law surrounding lost artworks at sea.

September 2018 to September 2019 - Bravura Solutions (UK): Technical Placement (1 Year)

- Bravura Solutions is a financial services company who provide solutions for clients in over 7 countries, such as (in the UK) *Legal and General*, *BNY Mellon* and *Fidelity*.
- Was a member of their 'Innovation Lab' team, who seek out - and develop uses for - new and upcoming technologies.
- Led development of an app for open asset management built in React Native. Spearheading this project provided me with experience in JavaScript, RESTful APIs and Node, and allowed me to gain some experience in Docker and AWS.

June 2018 to July 2018 - NCS (YMCA): Team Leader

- Supported, mentored and supervised a team of 15 young people.
- Facilitated a number of different team building exercises, supported the participants during skill-based workshops, and organised responsibilities of participants during the renovation of a care home in Staffordshire.

January 2018 to April 2018 - Kalby Limited: Intern Web Developer

- The company were developing an e-commerce platform.
- Worked with the wider development team to turn the designs and instructions given into functional website pages. For this role, I used React JS, Node, NPM and related JavaScript packages.

Education

2016 to 2020 – University of Nottingham: Computer Science BSc (Hons) w/ Year in Industry

- **Overall Classification:** 1st Class (with 82% in final year dissertation relating to quantum computation)

2009 to 2016 – George Spencer Academy (Secondary and 6th Form)

- A-Level: B in Physics, B in Mathematics, C in Computer Science, B in AS Further Mathematics
- GCSE: 10x GCSEs with grades A to C

Technical Skills and Knowledge

- **React Native** – Created an open banking app using backend RESTful API services during my time at Bravura, as well as an MVP in-store navigation app as part of my time at Sapient.
- **React JS/Angular JS** – Used these frameworks in various projects, including developing components for an online commerce site and helping to produce the second iteration of an open asset management app for Bravura, as well as with the Sending Machine project at Sapient.
- **VueJS/Jest** – Rewriting Nissan Configurator components in Vue from Backbone JS and writing unit tests for them in Jest.
- **HTML/CSS/PHP/JS** – Made several websites, with database interactions using PHP, AJAX and other features based in JS.
- **AWS** – Built a backend framework using Lambda, DDB, API Gateway, S3 and EC2 for InQuire’s new website. Also produced S3 buckets on AWS that held websites/code for user verification that I’d created for the app while at Bravura.
- **Apache** – Used apache web servers in InQuire’s website, including adding an origin certificate to the server obtained via Cloudflare.
- **Node/NPM** – Used Node and NPM during all work with JavaScript.
- **Docker** – Maintained Docker containers to keep user authentication and other services running during my time at Bravura.
- **Java/C** – On top of skills gained at university in these languages, I have also made plugins and mods for Minecraft servers and completed other related projects.
- **InDesign/Photoshop** – Gained a grounding in these software packages during my time as an editor for InQuire Media.

Relevant Achievements/Awards/Certifications

- **Scientific Paper:** My final year dissertation, which related to how differential evolutionary algorithms might run on quantum systems, is due to be adapted into a publishable paper co-authored by myself and my supervisor.
- **Azure Fundamentals (AZ-900):** As of the 2nd of February 2022, I am certified in Azure Fundamentals. I am also currently studying to undertake the Azure Developer Associate certification.