Hamish Child

A Technical Consultant with a strong aptitude in software development, modelling complex business and technical systems and solving problems individually and with others. I am passionate about building testable and stable software solutions to meet client's needs and I have experience that demonstrates this. I am looking to build my skillset as a developer and grow as part of a team, to move towards the goal of taking on more responsibility in leading projects.

EDUCATION

AWS Training and Certification   **October 2021 – Present**
AWS Cloud Practitioner Certification – In Progress

Lancaster University   **October 2016 – June 2020**
MPhys Physics with Astrophysics (Hons) – 2:1

Crossley Heath Sixth Form (A Levels)   **September 2014 - 2016**
3 A Levels: Maths (A) Physics (B) Further Maths (B)

Crossley Heath Grammar School (GCSE)   **September 2009 – 2014**
11 GCSEs A* - C (Maths A*, Physics A and Further Maths A)

EXPERIENCE

Actica Consulting – Web Based Application Development   **June 2020 - Present**
- I played a key role in the team developing a web-based CRM/timesheet application to replace a legacy application Actica was using.
- We used Django, a web framework in Python that allows users to build web pages and more complex applications, which developed my existing python skills greatly, as well as teaching me an agile approach to project work.
- This involved attending 2 weekly Scrum meetings with stakeholders and keeping in regular contact with users assessing the product to ensure their needs were met.

Actica Consulting – Enterprise Architecture   **April 2021 - Present**
- I have been a part of the team delivering a future IT system, to assist in navigating the options for the new system to replace a legacy system. We have developed a model that maps the business and technical needs of the various clients within the enterprise, using the ArchiMate language in the BiZZDesign platform.
- My responsibility within the team has been as the model owner, which includes managing the content of the model, as well as the backlog and tasking of the architecture team.
- This has developed my team working skills greatly, as well as my client management abilities as we determine what user groups will require from the new system.
- I have also developed a series of scripts alongside another team member which query the model and produce tables of data, or visual assists the better understand the relationships in the model.

Masters Project- Machine Learning in Extragalactic Astrophysics   **September 2019 – April 2020**
- This project involved researching and developing image recognition techniques through machine learning to classify galaxies based on their morphologies.
- I wrote a dissertation-style literature review on the topic where I researched past techniques and determined how I would carry out my project and then wrote a thesis at the end which outlined my methodologies and my results.
- This project had me starting out as a complete novice in machine learning, from which point I have developed my skills in a variety of methods, including building deep neural networks and more specifically convolutional neural networks.

EXTRACURRICULAR ACTIVITIES

Continuous Personal Development

During my time at university and at Actica I have working on personal projects either by myself or in a team to develop technical and transferable skills.

- **Personal Portfolio** - To develop my front-end language skills I have been building a website as a landing page for myself. Built using *HTML* and *JavaScript* and deployed using GitHub Pages, it showcases the projects I am working on currently, as well as having my CV and links to GitHub and LinkedIn accounts. It will a continuous development project that I will expand in complexity as my skills grow.

- **Indoor Location and Navigation Kaggle Competition, Actica Consulting -** I have worked in a team of Actica staff who entered a data science competition on the Kaggle platform, focussing on predicting the location of phones based on their strength of connections to wireless networks. We used the *scikit-learn* package in *Python* to build regression models for the predictions. Within this team Hamish concentrated on using Wi-fi signal data to make predictions on the location, as well as helping in implementing the pipeline that was used in the final submission.

President of Lancaster University Running and Athletics Club   **March 2017 - February 2019**

Voted into the position by the club members to be part of the clubs Executive Committee.

- Managed the direction of a club of upwards of 120 members.
- Oversaw all financial activity with the Treasurer, assessing our spending and ensuring that we kept within budget.
- Led a merger between the Running club and the Athletics club over the summer, which included mediating meetings between our two executives, merging our budgets and constitutions so that both clubs benefitted.
- Organised multiple charity fun runs on the University campus, raising over £750 for each one.
- Lead the committee whilst also being part of the team. This included delegating to the appropriate people, but also taking charge and making the difficult decisions to aid the advancement of the club. This fostered the ability to take control of a situation and lead the group towards a common goal.

TECHNICAL SKILLS

LANGUAGES

- Python (Web Development/ Machine Learning)
- Java
- SQL
- JavaScript
- HTML/CSS
- Git
- LaTeX
- MATLAB/Octave (Basic)

Principles/Other Software

- Scrum/SAFe Agile frameworks
- OOP/DRY/TDD/CI/CD
- Automated Testing (Unit Testing/ UX testing)
- BiZZDesign Enterprise Studio (Enterprise Architecture Platform)
- ArchiMate Modelling Language
- GitHub/GitLab
- Linux/Windows/MacOS
- Office365

HOBBIES

- Running
- Cycling
- Board Games
- Golf