

Lee Walton

Personal Details

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About Me

I graduated from Northumbria University Newcastle with a first-class degree in Integrated Masters Computer Science with Web Development. In my final year I took on a paid position part time for a research team within the university developing digital tools as part of these projects as well as producing advanced data analytics using python.

I have been heavily involved with projects contributing to the NHS workforce. A wellbeing tool designed for users at an NHS trust has been in use for over a year. I have also been working on a content management system for the TICA within the NHS, which is awaiting deployment.

Outside of my professional and educational life I enjoy going for walks in the outdoors, go to the gym and eat good food. I also follow formula one and have an interest in the environment, space, and the world we live in.

Skills

I am familiar with and confident in the following languages and frameworks.

Languages & Frameworks

- Python – Pandas, Apache spark, TensorFlow and Keras.
- PHP – PDO, OOP, REST
- HTML, CSS, SCSS, Bootstrap and Materialise CSS
- Node JS – Express, Rest API, JSON web token, Mongoose
- React.js and Next.js
- Databases – MongoDB, MySQL, Firebase, SQLite
- Cloud Computing – AWS EC2 & S3, Load Balancing and Auto-Scaling, Competent using SSH and Linux Command Line
- GitHub/Git
- Android (Java)

My main experience is in PHP, React.js and Node.js. I also have experience in collaborating and reporting to a team.

Experience

Northumbria University, Newcastle

Software Developer/Research Assistant – May 2020 to Present

I was offered the position to be a software developer within a Research team to take on development responsibilities create, maintain, and improve a set of digital tools that would be used by the NHS. In this role I worked with technologies including HTML, CSS, JavaScript, PHP, and MySQL.

The main projects I worked on are a data collection tool for staff wellbeing and a content management system for narratives of lived experience from NHS staff. I also used data science technologies in python to produce data reports and statistics in this role as well as being a contributor to research papers.

Sodexo, Facilities Services

Open Day Accommodation Tour Guide – 2 Years

In this role I was employed on a casual contract to give tours on university open days. I had to sell the student experience and answer any questions about living in the halls of residence.

North Durham Academy, Durham

Work Experience – 1 Week

Working alongside the leader of the mathematics department was a very insightful experience. I found it beneficial to observe the other side of the classroom and to be involved in helping the students in the lessons and providing support. This experience encouraged thought about future career plans and was great help to decide which path to take at university.

Education

NORTHUMBRIA UNIVERSITY

Integrated Masters Computer Science with Web Development (1st Class)

During my degree, I thoroughly enjoyed completing modules ranging from Computing Fundamentals to Artificial Intelligence. My main strengths are in web development, data analysis, big data, and cloud computing. I designed and developed multiple websites as part of my course including content management systems, booking systems, and an events website.

CONSETT ACADEMY

GCSE and A-LEVEL

- 8x GCSE A-C Grades
- 1x AS Level
- 3x A Level
- 1x Extended Project Qualification

References

References available upon request.