

Jonathan White

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As a software developer with experience in developing mission-critical enterprise software, I am seeking a challenging developer role that allows me to utilise my skills and contribute to innovative solutions. With a solid foundation in Computer Science, practical experience in supporting students and evaluating customer service, I am confident in my ability to deliver results in a team environment from my past roles and practice in agile development.

EMPLOYMENT HISTORY

Software Developer, *OpenText (Oct 2022 - Present)*

- Worked on Enterprise Server, a cloud-based mainframe emulation platform
- Developed high-performance, scalable software solutions
- Improved and maintained various component
- Refactored codebase ensuring it maintains the same exact functionality using TDD
- Followed Scrum development methodology and pair programming

Learning Support Assistant, *Newcastle University (Jan 2021 - May 2022)*

- Demonstrated practical classes on OOP and SQL
- Proactively supported students in understanding key concepts
- Explained difficult concepts clearly, enhancing understanding
- Solved issues with coursework or devices, from bad SSH keys to debugging code

Team Leader, *National Citizenship Service (various charities) (May 2019 - Nov 2020)*

- Led 4-week programs, including 1-2 weeks of residentials for 15 young people
- Mentored and supported participants in developing Social Action projects
- Planned and led engaging sessions teaching life skills
- Facilitated organization of charity projects within tight time constraints

Mystery Shopper, *Various Agencies (Oct 2018 - Nov 2021)*

- Audited businesses across the North East to ensure good customer service and practices
- Followed client instructions on how audits should be completed
- Independently reviewed stores for proper procedures and customer experience
- Provided detailed feedback to store managers for improvement

EDUCATION

MComp Computer Science, *Newcastle University (2018 - 2022)* **Grade:** First Class Degree

Stage 1:

- Developed an understanding of Object-Oriented Java programming concepts
- Programmed ARM processor-based assembly code
- Acquired foundational mathematical knowledge for Computer Science

Stage 2:

- Led an Agile team developing an Android application in Kotlin
- Implemented C programs on Minix OS, gaining insights into OS operation methods
- Applied SQL for efficient database design and administration

Stage 3:

- Developed a mobile app using React, demonstrating self-directed learning
- Implemented concurrent systems and optimized memory management in C
- Employed C++ to create an efficient quad-tree data structure
- Applied Human-Computer Interaction principles to create accessible and inclusive designs
- Collaborated on a drone search and rescue dissertation with mountain rescue training charities
- Researched drone search detection rate using Python and C# for data analysis

Stage 4:

- Gained experience in Cloud Computing, Distributed Algorithms, and Docker
- Acquired knowledge of data communication security and handshake protocols
- Collaborated on a model pacemaker project to model risks in them
- Continued research on drone usage in search and rescue to support charity initiatives
- Utilized machine learning techniques to predict Titanic survival rates with 80% accuracy

EXPERIENCE

Society Social Officer, *Newcastle University Student Union (Aug 2021 - Jul 2022)*

- Led a team of five in organizing weekly social events for a society with 650 members
- Demonstrated adaptability in responding to uncertain situations
- Collaborated with committee members to ensure best practices in event organization
- Demonstrated leadership and organizational skills by managing logistics for three university trips
- Managed budgets and conducted risk assessments for events, showcasing financial and safety awareness

Computing Society Treasurer and President, *Newcastle University (Aug 2020 - Nov 2021)*

- Chaired weekly meetings to organize tech and social events in collaboration with the team
- Adapted events to comply with COVID-19 restrictions through problem-solving and lateral thinking
- Fostered an inclusive environment by engaging with society members
- Managed tech events promoting partner companies, networking, and fostering self-development among students

EXTRACURRICULAR ACTIVITIES

Taekwondo: As a dedicated black belt in Taekwondo, I train twice a week and actively contribute to my club by mentoring and teaching new members. This experience has allowed me to develop strong leadership and interpersonal skills.

Hiking: I frequently explore the great outdoors, with a particular interest in the Cheviot Hills and the Lake District. Hiking enables me to maintain a healthy work-life balance, and appreciate the beauty of nature.

Programming: My genuine passion for computing and programming led me to pursue a career in this field. I continuously refine my skills and develop projects to explore new technologies and cloud platforms such as AWS. I have created a React Portfolio site in my spare time with links to my other projects such as a Visual studio extension I have developed.