Jonathan White

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Software developer with a strong foundation in Computer Science, seeking a challenging role to leverage and develop my skills in developing innovative software solutions. Proficient in a range of languages and agile development methodologies, with a track record of delivering results in a team environment.

EMPLOYMENT HISTORY

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

– Developed scalable software solutions for a cloud-based mainframe emulation platform
– Improved and maintained various components to ensure optimal performance
– Conducted successful code refactoring using TDD methodology without compromising functionality
– Collaborated in a Scrum development team utilizing pair programming techniques

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

– Demonstrated practicals and provided support to students, ensuring successful completion of work
– Mentored students in OOP and version control, fostering real-world skills
– Troubleshot technical issues during practical work to help students achieve their goals
– Possess strong Java skills to provide comprehensive support to students.

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

– Led and managed 15 young people on 4-week programs, incorporating residentials and charity projects
– Mentored and supported participants to develop and execute impactful community initiatives
– Facilitated charity projects under tight deadlines while ensuring high-quality outcomes.
– Planned and delivered engaging sessions to teach critical life skills, including time management and communication

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

– Conducted comprehensive audits of businesses within the North East region to ensure exceptional customer service and practices were upheld.
– Adhered to client guidelines for completing audits accurately and efficiently, providing valuable insights into store's procedures and overall customer experience.
– Delivered detailed feedback to store managers, highlighting areas for improvement and execution of corrective actions to increase customer satisfaction ratings.

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 79% accuracy

EXPERIENCE

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

– Directed 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.