Jonathan White

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Experienced software developer with a strong foundation in Computer Science, skilled in developing innovative software solutions using multiple languages and agile methodologies. Seeking a challenging role to bring my expertise and collaborate with a dynamic team, with a keen interest in contributing to the success of a forward-thinking company.

EMPLOYMENT HISTORY

Software Engineer, *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
- Worked on enhancing a COBOL language server extension in TypeScript for VSCode
- Modernized a legacy mainframe optician database by adding a React frontend as a demo

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, SQL, 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 - Oct 2022)*

- 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

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 using React and AWS services like Cloudfront, S3, and Route53 in my spare time. I am currently using DynamoDB, and Lambda to implement a URL shortener to expand my skills of AWS services in addition to studying for a certification.