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## EDUCATION AND QUALIFICATIONS

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**Newcastle University - Computer Science with Industrial Placement (Bsc)** **2023 - 2027**  
**Result: Year 1 - First Class (72.5%)**  
**Modules:** Fundamentals of Computing, Computer Systems Design and Architecture, Foundations of Data Science, Programming Portfolio 1/2

## WORK EXPERIENCE

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**Newcastle University, Java application for generating and taking quizzes interactively** **Feb 2024 - Mar 2024**

- Led the development of the User class, which was integral to the application's core functionality, focusing on user management.
- Designed the class structure based on the project requirements, ensuring **modularity**, **scalability**, and **data encapsulation**.
- Collaborated closely with the team, integrating feedback to refine features and functionality.
- Conducted thorough testing to ensure **reliability** and **bug-free** performance.
- Provided comprehensive documentation, including Javadocs and in-code comments, ensuring easy team collaboration and future modifications.

**Programming Tutor (Java, Python)** **Feb 2024 - Apr 2024**

- Provided one-on-one tutoring to computer science students, helping them grasp key programming concepts in **Java** and **Python**.
- Assisted students with debugging code, understanding algorithms, and applying best practices in **object-oriented programming**.
- Simplified complex topics such as **data structures** (arrays, lists, trees) and **algorithms** (sorting, searching) through clear explanations and real-world examples.
- Encouraged a problem-solving mindset by guiding students through logical thinking and breaking down programming challenges.
- Helped improve student performance, resulting in higher exam scores and increased confidence in their coding abilities.

**Member – Computer Science Society, Newcastle University** **Sept 2023 - Jan 2024**

- Actively participated in workshops, coding challenges, and guest lectures, expanding knowledge in areas such as **software development**, **machine learning**, and **cybersecurity**.
- Collaborated with peers on group projects and coding competitions, improving teamwork and problem-solving skills in a fast-paced, competitive environment.
- Contributed to organising events like **hackathons** and technical talks, enhancing leadership, communication, and event management abilities.

## ADDITIONAL SKILLS AND INTERESTS

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**Technical Skills:** Python, Java, Word, Excel, HTML, CSS, MySQL, MongoDB, Git, GitHub, JUnit, PyTest

**Certifications:** Forage JP Morgan Chase and Co Software Engineering Job Simulation

**Languages:** English (Native), Tamil (Fluent)

**Interests:** Reading, Running, Fitness, Cooking, Fashion