

# THIARA DE ALWIS

Student at the University of Bristol

## INFO

### SUMMARY

As a final year computer science student currently averaging a first in my degree, I have a keen interest in academia and practical computing. I am actively pursuing opportunities to expand my skill set and develop my experience in the computer science industry.

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github.com/Tnddeal

/in/thiara-de-alwis

### SKILLS

Languages: Java, SQL, Python, JavaScript, HTML, C++, C, C#, Typescript

### EDUCATION

9/2023 - x/2026	<b>University of Bristol</b> Currently Completing Bsc Computer Science at the University of Bristol Working Grade: <b>First Class</b>	Undergraduate
9/2016 - 7/2023	<b>Royal Grammar School Newcastle</b> A level Qualifications: A* Physics, A* Maths, A Computer Science, A Further Maths	Sixth form/Secondary School

### PROJECTS

Machine Learning	<b>Fashion recommendation system</b> <a href="https://github.com/Tnddeal/Fashion-recommendation-system">https://github.com/Tnddeal/Fashion-recommendation-system</a> A fashion recommendation system that takes a user's pinterest moodboard and provides personalised recommendations of ebay listings based on the user's style using a trained neural network and image recognition <i>Skills used: Transfer learning on a neural network, web scraping, matplotlib, keras, tensorflow, numpy,</i>
Go	<b>Distributed &amp; Parallel Game of Life Implementation (Go)</b> Designed and implemented distributed and parallelised versions of Conway's Game of Life in Go, leveraging goroutines and concurrency patterns for scalable performance. Conducted benchmarking to evaluate speedup and resource usage across configurations and wrote a detailed report analysing design choices, performance results, and optimisation strategies. <i>Skills used: Go</i>
Software Engineering	<b>Full stack web application</b> A full stack web application centred around user experience and creating a more sustainable way to order and deliver food. This is a project developed for a real-life client as part of a university module, where I also acted as project manager and client liaison using agile methodologies. <i>Skills used: Node.js, CSS, HTML, JavaScript, AWS, MySQL, React</i>

### EXPERIENCE

06/2025 - 08/2025	<b>Software Engineer at Softwire</b> <ul style="list-style-type: none"><li>Developed a Carbon Insights Dashboard for our client Elexon as part of an Agile team, working full-stack with TypeScript and C#. Engaged with clients to refine requirements, conducted user research to ensure usability and deliver a product aligned with business needs.</li><li><i>Skills used: Typescript, C#, Nivo</i></li></ul>
09/2025 - Current	<b>Teaching Assistant at University of Bristol</b> <ul style="list-style-type: none"><li>Providing academic support for Software Engineering Project and Programming Languages &amp; Computation courses, delivering clear explanations of complex topics, mentoring student teams, and aiding hands-on labs and discussions to encourage student learning.</li></ul>
Quantum Computing	<b>Black Opal Quantum Course</b> <ul style="list-style-type: none"><li>Quantum Professional Certification achieved July 2023, issued on completion of the Black Opal Quantum course</li><li><b>Runner up in the IOP Quantum on the Clock video essay competition 2022</b></li></ul>

### JOURNALISM

In my spare time I enjoy writing articles exploring subjects around computer science and tech ethics, some of which have been published in University newspapers. A selection of these articles can be read below::

- <https://epigram.org.uk/whose-morals-matter-programming-the-ethical-compass/>
- <https://www.hercampus.com/school/bristol/is-ai-a-threat-to-women-the-dangers-of-programs-that-do-it-for-you>
- <https://medium.com/illumination/the-ai-stuck-in-marys-room-f7b4c26a4f82>
- <https://medium.com/@t.dealwis/ethics-2-0-how-technology-is-redefining-our-sense-of-right-and-wrong-6a89d2a4393c>