

# Jay Steele | Computer Science Undergraduate

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## PROFESSIONAL PROFILE

Determined, passionate undergraduate looking to leverage my experience and skills further by solving problems that delight end-users. With years of knowledge in programming and first-hand experiences in the industry, I'm ready to learn more and work enthusiastically with other software engineers, making lasting connections.

## EDUCATION & QUALIFICATIONS

2021/2025, University of Ulster, Magee, BSc Hons Computer Science

**86% Overall Average** of Year 1

Year 1 Modules

Mathematics – 89%

Software Development 1 – 88%

Software Development 2 – 93%

Database Systems – 86%

Computer Hardware Systems – 89%

Systems Analysis and Design – 72%

**84% Overall Average** of Year 2

Year 2 Modules

Object Orientated Programming - 88%

Algorithms and Data Structures - 88%

UX - 76%

Web Application Development - 75%

Computer Networks and Security - 90%

Mobile Application Development - 84%

2019/2021, Dominican College Portstewart, A Level | **ICT (D\*)**, **Music (A\*)** & **Media (B)**

2014/2019, Ballymoney High School, GCSE | GCSE x 9 including **Mathematics and English (Grades A-C\*)**.

## WORK EXPERIENCE

**June 2023 – August 2024** Liberty IT | Intern Software Engineer

*Outline* | With a strong foundation in programming languages and full stack engineering, I have honed my leadership and teamwork abilities by effectively managing tasks, collaborating with colleagues, and facilitating Agile practices.

**September 2023** LSFx Productions | Runner and Camera Crew

*Outline* | This involved active teamwork to set up appliances and kit for important events, working under pressure and listening to commands to get the film, miking and hyping up contestants.

**September 2022 – January 2023** Giants Causeway, National Trust Café | Catering Assistant

*Outline* | Acting as a barista and cashier, I work in a high-stress understaffed environment where quick thinking, ability to work under pressure and great customer service is a necessity for this role.

**May 2021 (4 Days)** Kainos Ltd | Work Experience Student

*Outline* | As a small team, myself and a group of students worked virtually side by side with one of the software developers' teams from Kainos. We were taught how to make a website and had serious team-building exercises to solve real-life scenarios.

## CORE SKILLS

**Computing**

Competent in languages such as Java, C#, TypeScript, Swift, and Git through work experience and self-learning. My full stack engineering experience at Liberty IT enabled me to self-learn React and TypeScript while mastering excellent coding practices in testing and software design. This experience, along with my independent passion projects, has given me a strong understanding of both object-oriented and functional programming.

### ***Problem Solving***

Already proficient in **analysing problems** through my experiences with app and game development. During my internship at Liberty IT, my problem-solving skills were enhanced. I handled various research tasks that required gathering information, programming technical software in a short period of time, and presenting it to an audience. One notable instance was when I integrated a third-party library into our auth0 configuration to optimize the usage of our SMTP provider, Proofpoint, this task significantly streamlining the process of sending emails manually in Auth0 actions.

### ***Leadership***

Being assigned as **tech shepherd** for an AWS migration epic at Liberty IT, I was given the responsibility plan how we migrate our legacy AWS resources off the platform. For this I needed to reach out to surrounding developers, collaborate with them, gauge the risk of the resources and what it would affect, then explain to my team the description and order the work should be done. As my team's Scrum Master at Liberty IT, I ensured all work met acceptance criteria and frequently addressed questions regarding workload and its estimation and if we would have the work completed for certain deadlines.

### ***Teamwork***

In Liberty IT, developers frequently collaborated closely, challenging each other to ensure the best solutions. This collaborative approach was essential for effective progress. We often paired on difficult tasks, with one developer driving the session while the other explored code and resources, suggesting different techniques to attempt. This process was both enjoyable and rewarding.

### ***Communication***

Working in hospitality has granted me the opportunity to refine my **active listening and communication skills**. My journey in IT further enriched these skills; presenting my work before audiences exceeding 100 individuals significantly bolstered my confidence and clarity in articulating ideas among colleagues. Within a highly collaborative platform, I frequently conversed with diverse teams, leveraging their expertise to ensure optimal outcomes.

### ***Time Management***

Dealing with huge crowds of often a hundred or more people, the *Giant's Causeway* has enhanced my ability to **work well under pressure**. This skill seamlessly compliments my ability to context switch between workloads, prioritising tasks efficiently and capitalize on downtime by addressing smaller workloads whilst awaiting responses on other dependencies.

## **PROJECTS**

### ***Amateur Surf Forecasting App | Gnarly | June 2023 - Present***

- *App written in Swift, allowing users to enter beach coordinates to add their favourite beach spots, data gathered by commercial weather forecasting API.*
  - *Utilising functional programming, allowing users to filter their surf forecasts based on preference.*
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