

Tony Callaghan

3rd Year Computer Science Student



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EDUCATION

BSc Computer Science & Software Engineering
Maynooth University

Graduation: June 2025

- Modules covered: Software Engineering, Data Structures & Algorithms, Web Design, Databases, Calculus, Statistics, Operating Systems, UI/UX, Compilers, Computer Networks & Architecture.
- Overall grade average: First class honours.

WORK EXPERIENCE

Software Engineer Intern
Yahoo!

Jan 2023 – July 2023

Main Project:

- Developed and deployed a robust CLI tool for the CI/CD team's framework, to efficiently manage critical AWS resources, including ECR images, EC2 instances, CloudFormation stacks, etc.
- Successfully deployed the tool across 6 teams within Yahoo, significantly improving resource management processes and increasing overall operational efficiency while reducing costs.
- Designed an automated binary retrieval system to fetch the latest version of the CLI tool from Artifactory and proactively resolved technical issues to ensure maximum performance, reliability, and handling of edge cases.

Other Responsibilities:

- Assisted in implementing software engineering best practices, including code reviews, version control, and debugging techniques, to develop high-quality, maintainable code.
- Gained hands-on experience and improved understanding of cloud technologies/concepts, while also gaining proficiency in Golang/Bash.
- Participated in agile methodologies, attending daily stand-ups and biweekly sprint planning meetings, to effectively manage project timelines and deliverables.

Computer Science Tutor
Maynooth University / Computer Science Department

Sept 2021 – July 2022

- Helped first-year and summer camp computer science students grapple with introductory subjects and enforced good coding habits.
- Demonstrated proper coding examples to students to explain challenging concepts such as recursion, iteration, OOP, etc.
- Worked on a one-to-one basis and served as a liaison between the lecturer and students.

Sales Assistant
Aldi Ireland

July 2019 – Present

- Balanced a part-time job alongside university studies, demonstrating strong time management and organizational skills while adhering to strict delivery timeframes for goods.
- Dealt with complaints, refunds, and general customer queries, while maintaining a high standard of customer service.

SKILLS

Languages: Java, Golang, JavaScript, Python.

Other Technologies: AWS, Linux, Bash, Screwdriver, Kubernetes, Docker, Git, SQL, MongoDB, NodeJS, Express, HTML/CSS, React, Figma.