# Mairead O'Dwyer

087-446-6402 | scrahanangnave8@gmail.com | www.linkedin.com/in/mairead-o-dwyer-a89b4a305 | https://github.com/mairead-odwyer14

## EDUCATION

**Trinity College Dublin**                                                                                    College Green, Dublin 2
*Bachelor of Arts in Computer Science*                                                                  *Sept. 2023 – May 2027*
- Currently in the third year of the degree; averaged first-class honors in the first and second year.
- Completed modules: Discrete Mathematics (1.1), Algorithms and Data Structures (1.1), Systems Programming (1.1), Statistical Analysis (1.1), Applied Probability (2.1).

## EXPERIENCE

**Probability and Theoretical Statistics Module Demonstrator**                             Sept. 2025 – Present
*Trinity College Dublin*                                                                                       *College Green, Dublin 2*
- Explaining worked solutions regarding problems sheets handed out to the students
- Working through past exam questions with the students
- Answering any questions regarding the material covering in problem sheets

**Undergraduate Research Assistant**                                                                  May 2025 – Present
*Trinity College Dublin*                                                                                       *College Green, Dublin 2*
- Annotated amateur rugby games in a project funded by the Irish Rugby Football Union (IRFU) and World Rugby, using Hudl Sportcode, a performance analysis software, by coding and labeling different aspects of the game with a focus on tackles.
- Communicated with fellow annotators, providing each other with assistance throughout the process
- Gave feedback regarding the annotating process to improve its efficiency

References available on request

## PROJECTS

**TCD Student Job Portal** | *Java, SpringBoot, REST, Postman, Git*                    January 2025 – May 2025
- Backend member for creating a student job portal, in association with Liferay
- Created backend structure for messaging and notifications using SpringBoot, such as domains, DTOs, repositories, controllers and services
- Created REST APIs endpoints to fetch students, job listings and applications
- Tested APIs calls using Postman to ensure correct functionality

**Portfolio** | *Next.js, Javascript, Tailwind CSS*                                                  September 2025 – Present
- Created a personal portfolio page using Next.js to display experience, projects and interests
- Experimenting with styling techniques such as borders, texts and cards using Tailwind CSS
- Integrated links for resume, GitHub and LinkedIn

**Flight Data Visualizer** | *Processing*                                                             January 2024 - May 2024
- Developed front-end features for a large-scale flight data visualization tool.
- Implemented a custom animation for the welcome page and designed a dynamic flight information table.
- Applied data filtering and conditional formatting to improve clarity and usability for 100k flight records.

## TECHNICAL SKILLS

**Languages**: Java, C, ARM Assembly, R, JavaScript
**Frameworks**: Next.js, Tailwind CSS
**Developer Tools**: Git, VS code, Eclipse, R Studio
**Analysis Software**: Hudl Sportscode