

Sophia Favour Ugwa

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Personal Statement

Driven and adaptable Computer Science student at Maynooth University with a proven track record in full-stack development and user-focused design. Demonstrated strong problem-solving skills and technical ability through award-winning Java and React projects, including a travel blog system. Adept at collaborating within teams, balancing academic responsibilities with extracurricular leadership and volunteer roles such as mentoring and CoderDojo tutoring.

Education

Maynooth University, Maynooth, Ireland
BSc in Computer Science & Software Engineering
Expected Graduation: September 2027

- **GPA:** 2:2
 - **Relevant Coursework:**
Computer Systems 1 & 2, Databases, Algorithms & Data Structures, Software Testing, Operating Systems, Intro to UX/UI, Software Engineering, Theory of Computation, Web Information Processing
 - **Key Project:**
 - **CSC Advanced Coding Project** – Developed a Java Swing application featuring a BMI calculator, calorie tracker, workout recommender, and login system. Demonstrated skills in Java GUI, project planning, and user-focused design.
 - **Travel Blog Web App** - Developed a full-stack web application that enables users to log in, plan journeys, and maintain personal travel logs. The application features secure login, dynamic data handling, and responsive UI for seamless navigation and user experience
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Technical Skills

- **Languages:** Java, HTML, CSS, JavaScript, SQL
 - **Tools/Technologies:** React, Scratch, Git (basic), MySQL
 - **Operating Systems:** Windows, MacOS, Linux
 - **Soft Skills:** Communication, Problem-Solving, Team Collaboration, Time Management
 - **Design & Analytical Skills:** UX/UI design principles, critical thinking, and debugging proficiency
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Project

Travel Blog Web App : <https://github.com/SophiaUgwa/Travel-Blog>

Full-Stack Development Project

Key Features:

- **User Authentication** with login and password validation
 - **Journey Planner** for managing locations, activities, and travel dates
 - **Travel Log Posting System** for creating and viewing past trips
 - **RESTful API Integration** using Axios for front-end and back-end communication
 - **MySQL Database** for structured data storage of users, logs, and plans
 - **Responsive and Styled UI** using CSS and conditional rendering
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Work Experience

Front of House Staff

Flynn Park, Balbriggan, County Dublin
June 2023 – November 2024

- Managed booking systems and verified customer details prior to entry
 - Provided technical and general support to park visitors
 - Promoted available activities and ensured customer satisfaction
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Extracurricular & Volunteer Work

- **CSC Tutor (Volunteer)** – Support first-year CS students by explaining coding concepts and helping with assignments
 - **CoderDojo Tutor (Volunteer)** – Teach Scratch programming to children at Maynooth University, encouraging early interest in tech
 - **Volleyball Team Member** – Active member of the Maynooth volleyball team, promoting teamwork and balance outside of academia
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Achievements & Awards

- **1st Place** – CSC Advanced Coding Competition, Maynooth University
 - **Johnson & Johnson WiSTEM2D Award**, 2024
 - **STEM Aspire Mentee**, Dell
 - **Mule Bronze Award**
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References

Available upon request

- Hope Boyle – ✉ hope.boyle@mu.ie
- Susan Giblin – ✉ susan.giblin@mu.ie