

Sarina Kohli

Liffey House, Kilmacredock Upper Maynooth, Co. Kildare. W23K3V7

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Ambitious Computer Science and Software Engineering student at Maynooth University. Currently in third year of studies, with plans to pursue a master's degree in computer science upon completion of undergraduate degree. Possesses skills in computer programming, web development, UI/ UX design, databases and much more through developing personal projects and course assessments. Works well in collaboration with others while upholding strong leadership skills, combined with the ability to perform on my own initiative. Able to work in a fast-paced environment comfortably. Please feel free to review personal projects and University assignments on my GitHub using the link above.

EDUCATION

Bachelor of Science, Computer Science and Software Engineering

National University of Ireland

September 2022 – Present

Maynooth

2nd Year: 66.6 (2:1)

1st Year: 76.0 (1:1)

(See appendix for result breakdown)

Leaving Certificate (CAO points: 352)

Loreto, St. Stephen's Green

August 2020 – June 2021

Dublin

KEY SKILLS/COMPUTING SKILLS

- Java programming (Java, HTML, CSS, JavaScript and SQL)
- Web Development / Design
- Databases / APIs
- Software Documentation
- Operating Systems (Linux, Windows)
- Data Structures and Algorithms
- Software Testing
- Critical Thinking

PROJECT WORK

2nd Year: System Design Group Project.

Objective: Grouped with two other students, assigned to create a software system design, along with system tests, that would be useful in the retail industry.

Outcome: Designed a mobile/web application that would cater towards customers with disabilities when shopping online. A 15-page document and a video presentation was produced by the end. Oversaw creating possible user stories, use case diagrams and writing the documentation.

Skills learned: Improved leadership and worked in harmony with group members. Managed time to meet the project deadline while producing quality results.

2nd Year: UX & UI design of a mobile note taking application.

Objective: Design a functional, low-fidelity interactive wireframe for a mobile note taking application.

Outcome: Researched and designed multiple draft wireframes using Balsamic Wireframes. Group feedback was given and received once each phase of individual work was completed. Collaborated to choose a winning wireframe and added any further features to improve the final design.

Skills learned: Developed skills using Low-fidelity UI wireframing tools. Communication and decision-making in group settings.

1st Year: "A Sustainable Environment" Project.

Objective: Assigned to develop a program that solves a real-world problem associated with environmental sustainability.

Outcome: Created a calculator to calculate the carbon emissions produced, depending on the type of transportation used. Researched different vehicles and units of energy that would be in consideration.

Skills learned: Learned how to use a new IDE (Processing) and how to apply Java skills, accomplished from other modules, to create this functional program.

EXPERIENCE

Hostess / Waitress

Carton House

August 2024 – Present

Maynooth, Kildare

- Greeting guests upon arrival before seating them in coordination with 100-200 other guests, which reduced the workload of waiting staff by 80%.
- Managing a fast-paced environment, whilst serving a large quantity of guests' food and beverages.

Software Project Development Intern (Remote)

SPAR Information Systems

June 2024 – Present

Dallas, Texas

- Attending stand-up meetings at 6:45am GMT with agile team members.
- Discussing the status of current project progress and further work to complete.
- Writing documentation of software projects' workflow.
- Reviewing tickets of code to seek out errors or bugs.

Accommodation Assistant

Carton House

May 2024 – July 2024

Maynooth, Kildare

- Maintained cleanliness and hygiene of hotel bedrooms.
- Required to work individually in a time bound environment upon guests' arrival.
- Catalogued priority of room completion based on altering factors of guests' arrival and workload of individual room for efficient room turnover.

Retail Assistant

Divine Boutique

August 2022 – August 2023

Maynooth, Kildare

- Facilitated customers when searching and purchasing items while operating the shops' EPOS systems.
- Controlled stock inventory and placement of stock on the shop floor.
- Attentive to customers' style/preference when selecting garment items for review.
- Responsible for opening and closing the shop floor.
- Reconciled the closing balance on the EPOS systems at the opening and closing of business.

Bar Waitress

Courtyard Hotel

August 2021 – July 2022

Leixlip, Kildare

- Obtained various roles within the hotel.
- Maintained cleanliness and hygiene of bedrooms within the hotel as an accommodation assistant.
- Took orders, created coffees, served customers/guests food and beverages as head waitress in both the bar and restaurant.
- Promoted to creating/serving alcoholic beverages at the bar and gained the responsibility of leading team members.

Administration Assistant

Universal Frontiers Limited

June 2016 – September 2021 (Summer job)

Maynooth, Kildare

- Categorized important business documents within a filing system.
- Managed the picking, packing and shipment of product orders.
- Restored stock data in the business' stock system and within the warehouse when new stock arrived.
- Attended sales conferences with customers.

OTHER CERTIFICATES/ QUALIFICATIONS

- Category B Driving License (full, clean driving license and personal vehicle to commute)
- Certificate in manual handling

REFERENCES

(Available on request)

Appendix

THIRD YEAR MODULES (grades available June 2025)

Software Design
Programming Languages & Compilers
Computer Networks
Computation & Complexity
Team Project
Software Verification

SECOND YEAR GRADES

Grade %

| | |
|--|----|
| Algorithms & Data Structures 2 | 54 |
| Web Information Processing | 81 |
| Operating Systems: Communication & Concurrency | 46 |
| Intro to UX & UI | 84 |
| Software Engineering & Software Process | 71 |
| Theory of Computation | 54 |
| Databases | 67 |
| Algorithms & Data Structures 1 | 49 |
| Computer Architecture | 68 |
| Software Testing | 95 |
| Calculus 3 | 58 |
| Intro to Integral Calculus | 72 |

FIRST YEAR GRADES

Grade%

| | |
|---|----|
| Intro to Computer Science 2 | 92 |
| Computer Systems 2 | 70 |
| Linear Algebra | 87 |
| Intro to Statistics | 61 |
| Critical Skills 2 (Intro to University Learning & Beyond) | 64 |
| Intro to Computer Science 1 | 63 |
| Computer Systems 1 | 79 |
| Intro to Calculus | 68 |
| Critical Skills 1 (Intro to University Learning & Beyond) | 67 |