

# Colm Murphy

✉ colmmurphy016@gmail.com ☎ 0874662166 📍 Gurranabraher, Cork

in [www.linkedin.com/in/colmmurphyxyz](https://www.linkedin.com/in/colmmurphyxyz) 🌐 <https://github.com/colmmurphyxyz>

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## Education

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### BSc Computer Science, *University College Cork*

September 2021 –  
May 2025

- **Year 2:** Intermediate Programming, Algorithms & Data Structures, Computer Architecture, Operating Systems, Information Storage & Management
- **Year 1: First-Class Honours** - Including **91%** in Introduction to Python Programming, **90%** in Foundations of Computer Science 1/2, and **95%** in Introduction to Calculus

**Languages:** Python, Java, Kotlin, Go, Javascript, Typescript

**Applications:** VSCode, IntelliJ Idea, MySQL, Git/GitHub, Godot

### Leaving Certificate, *Coláiste Ghobnatan*

September 2015 –  
June 2021  
Ballymakeera, Co. Cork

Received a medal of recognition of academic excellence from the Cork Education & Training Board for achieving **613** points out of 625 in the Leaving Certificate, including a **H1** in **Maths**, Irish, Design & Communication Graphics, **Chemistry** and **Physics**

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## Projects

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### Game Development, *Godot, GDScript*

- Designed and develop a 2D platformer game with the Godot engine
- Took advantage of Git and GitHub to facilitate collaboration between the 6 team members
- Applied code style conventions to keep code readable and consistent throughout a large codebase

### Software Development - **ELO rating system**, *Kotlin*

- Designed and implemented a software to rank a group of chess players using the ELO rating system
- Incorporated MongoDB to keep a record of games played, allowing for ELO changes to be reverted if necessary

### Web Development - **netsoc.co**, *React, TypeScript*

- built a new website for UCC Netsoc using React and Typescript
- Collaborated with other developers to produce a website for 700 society members

### Software Development, *Kotlin, Gradle*

- Developed a backend plugin using Kotlin to relay chat messages between a public Minecraft server and a Discord channel, and vice versa

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## Professional Experience

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### SysAdmin, *UCC Netsoc*

December 2021 – present  
Cork, Co. Cork

- Worked with a team of System Administrators to maintain existing software, including netsoc.cloud, a cloud hosting service for UCC students, as well as develop new software for the society
- Utilised an Ansible codebase to maintain the society's existing software and hardware infrastructure, and to deploy new software to our 4 servers

- Successfully migrated Student Media web infrastructure from old University hardware to a docker container on a virtual machine on one of the society's servers with minimal downtime, with the aid of our Ansible codebase

**Server/Bartender, Isaacs Restaurant**

May 2022 – present  
MacCurtain Street, Cork

- Worked as a server in a busy fine dining restaurant in the city centre
- Served high quality food and wine to up to 150 guests in a 4 hour period
- Greeted guests, took food & drink orders
- Listened to guests and provided food & drink recommendations to accommodate personal preferences and dietary restrictions
- Resolved conflicts and handled guest complaints in a professional manner
- Took bookings, deposits and answered guest queries over the phone
- Closed up the restaurant at the end of the night, including doing till readings and locating the source of any shortages

**Food & Beverage Assistant, Gleneagle Hotel**

July 2020 – May 2022  
Killarney, Co. Kerry

- Served breakfast, lunch, and dinner in a fast-paced, high-volume restaurant in a four star hotel
- Served breakfast to up to 800 guests every morning
- Worked under time constraints to accommodate guests attending a concert or show in the hotel
- Ensured food was of a high quality before serving to guests
- Trained new staff on food and drink service, health and safety practices and standard operating protocols

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## References

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**Available on request**