Thomas O'Dea

✉ thomas@odea.com | 📱 +353 89 237 9362 | ⚲ Blackrock, Dublin
in /in/thomas-odea-dublin | ⓖ thomas6785.github.io

SUMMARY

- Dublin-based student in ME Computer & Electronic Engineering at UCD
- 3 years university education + 10 years self-taught experience with programming
- Classes in computer networks, communication systems & object-oriented programming
- Previous professional experience with Vodafone Internship
- Experience with iterative project development through university group projects

Skills include:

Python | C/C++ | Java | HTML/CSS | Bash | Batch | VBS | MATLAB | R | Verilog |
Git | VSCode | Jenkins | UNIX/Linux | Salesforce.com | Microsoft Office & Power platform |
Research Skills | Agile/Iterative Development |

RELEVANT EXPERIENCE

Vodafone Ireland   2024
IT Operations Intern

Accepted into Vodafone's summer internship program.

- Built single-handedly end-to-end web testing server with a dashboard on local network to monitor Vodafone.ie service uptime
- Directed restructuring of customer sales database to assist sales team; cleaned ∼10,000 unreliable data points with fuzzy matching scripts and migrated to tidier data structures to save hundreds of hours of work in future
- Eliminated 11 second delay in IT ops asset search by implementing a local cache

Skills: *individual initiative, communication*

EDUCATION

ME Computer & Electronic Engineering (UCD)   2024-
Underway

BSc Electronic Engineering (UCD)   2021-2024
1st Class Honours

- Ad Astra entrance scholar
- UCD Advantage Award holder
- Engineering student-staff committee representative

Relevant studies included object-oriented programming, digital system design, communication systems, computer networks

Skills: *time management, problem solving, teamwork & communication, programming*

Leaving Certificate (Coláiste Eoin)   2019-2021
601 points

EXTRACURRICULARS

UCD Chess Society   2022-2024
Secretary (2022-23), Chairperson (2023-24)

Took over UCD Chess Society, which had gone dormant during COVID, to rebuild it.
Leading a small committee for two years:

- Hosted large-scale chess tournaments with >100 participants
- Inaugurated our now-annual charity tournament, one of the most successful in Ireland
- Planned a trip for 21 players to Galway Chess Congress
- Doubled our university annual grant, and secured additional funding for new equipment
- Secured a sponsorship deal with Susquehanna International Group, doubling our annual budget

plus innumerable other admin tasks.

By the time I stepped down in May, the club had become one of the strongest and most active in the country.

<u>Skills:</u> *teamwork, leadership, business relationships, budgeting, attention to detail*

PROJECTS

University

- [C] Simple HTTP Request client-server pair

- [Verilog] Calculator hardware design

- [Python] Advanced ODE Simulator
  (RK4 and Adams-Moulton + animation)

Personal

- [Python] Bots to play chess (minimax algorithm), 2048 (neural network), and Wordle

- [Python] E2E-Encrypted IRC-style chat

- [C++] Rubix Cube Solver (WIP)

OTHER EXPERIENCE

Delhi Rasoi Indian Restaurant   2021-2023
Front of House Staff

- Developed interpersonal skills with both coworkers and customers
- Worked in high pressure environments and learned to handle difficult situations
- Gained a full picture of how small businesses operate

I was the longest serving part-time staff member when I left to focus on my studies.

<u>Skills:</u> *teamwork, customer service, working under pressure*

Belgrave Computer Solutions   2017-
Technical Support

Providing intermittent technical assistance to family business with data management and manipulation.

- Scripting in Python, Powershell, or VBA to manipulate simple datasets
- Configuring Salesforce.com and Visualforce pages

INTERESTS

I have interests in maths and physics, chess, cryptography, and films. I am a passionate electric guitar player (since age 9), and I also love languages; I spent my transition year in Parma where I learned Italian and French, and I speak Irish fluently.

Please see https://www.linkedin.com/in/thomas-odea-dublin/

Last update: September 8, 2024