

Daniel Soden

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PERSONAL PROFILE

I am a passionate Software Development Student entering my third year. I have a deep curiosity for all things tech and Software, with a great foundation in backend technology, hardware and operating systems.

I work well as part of a team and especially independently when exploring a topic that interests me. From previous experience in both Sales and logistics, I pride myself on great communication and interpersonal skills which I believe would be of great value for any team I may be a part of.

EDUCATION

Munster Technological University, Cork

September 2023 – Present

- I am currently an undergraduate student pursuing a BsC (Honours) in Software Development.
- I have Achieved First Class Honours in both my first and second year with my most recent GPA being 73.58%.

Relevant Modules:

Grade

- | | |
|--|-----|
| 1. Object Oriented Programming | 89% |
| 2. C Programming | 79% |
| 3. Database Design | 82% |
| 4. Server-Side Web Development | 78% |
| 5. Object Oriented Analysis and Design | 84% |
| 6. Non-Linear Data Structures & Algorithms | 83% |

Notable College projects:

1. Object Oriented Programming project:

- Created a JavaFX cross platform desktop app based around a Computer store in which customers, products and order objects are created.
- Demonstrated a variety of patterns, (Singleton pattern, MVC Pattern)
- Experimented with the Java Stack and Heap. (How many objects can be created until a crash occurs?)
- Implemented serialization and deserialization in plain csv files to store the objects.
- Migrated this storage system over to a relational database using SQLite.

Grade: 90%

2. C Programming project:

- Solved a matrices based problem in order to maximise the amount of valid matrix indexes visited with tight constraints based around a Monkey obtaining treats Implemented dynamic memory allocation for the state of the Monkey.
- Demonstrated ability to apply simple Greedy and Dynamic programming algorithms.

Grade: 90%

RELEVANT EXPERIENCE

PFH Technology Group, Little Island

Summer May 2022 – Summer 2025

Warehouse Operative

Worked in the Configuration team each summer within the warehouse upgrading and setting up a wide variety of computers ranging from all in ones, to Mini PCs to large desktops.

My work included the following:

- Installing and testing components such as RAM, SSDs and Network Cards.
- Applying custom Windows images and encrypting hundreds of computers for the HSE.
- Resolving various hardware and software issues including, but not limited to missing/outdated drivers, unclean contacts.

DID Electrical, Turners Cross

September 2024 – May 2025

Sales Advisor

- Achieved €50,000 in sales in my first three months, with a peak day of €6,000 by the end of my contract.
- Worked as a stand in tech support, aiding customers fix and set up devices such as phones and tablets.

- Set up Apple Demo Devices for display at the front of the store.

OTHER EXPERIENCE

Airtastic Entertainment Centre

September 2023 – May 2024

Team member

- Taking multiple orders at the till and presenting this food to customers at their table in a fast paced environment.
- Dealing with a variety of customer complaints and coming to resolutions while under pressure.

RELEVANT PERSONAL PROJECTS

1. Portfolio Website – danielsoden.xyz

- Tinkered with an up and coming JavaScript framework Svelte, in order to create a static site to introduce myself, my skills passions and what I value as a student.
- Utilised git as a means of version control between my machines and to push changes using my hosting platform of choice Netlify, where I purchased my own domain.

2. Goshush – github.com/daniel04soden/goshush

- Explored a CLI Golang Framework as a means of creating a Unix-like shell.
- Demonstrated an understanding of the Unix core utils and the Go standard library by implementing methods such as ls, pwd and grep using the Go standard library.

ACHIEVEMENTS

- Achieved first class honours in all college semesters to date.
- Received an Education Training Board award for scoring 566 points in my leaving certificate.
- Awarded Bronze Gaisce medal for volunteer work, physical activity and pursuing a new skill in cooking.

HOBBIES

- Devised personally tailored workout plans, mentored myself and peers on correct gym technique learned over the last 5 years.
- Researched, built and set up my own Computer and keyboards used for college work and occasionally games.
- Buying and upgrading old Computers and Laptops and exploring the limits of older technology.

REFERENCES (Contact available upon request)

1. David O'Shea, Store Manager, DID Electrical Turners Cross
2. Michael O'Donovan, Warehouse Logistics Manager, PFH Technology Group

RELEVANT SKILLS

- Programming: Java, Python, C and Golang
- Web Development: HTML, CSS, and Javascript (ExpressJS, SvelteJS)
- Other: Vim, Linux, Git and Bash