**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:**

All code available at [github.com/daniel04soden](https://github.com/daniel04soden)

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 (SQLite).​

**Grade: 90%**

1. **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**](https://www.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.

1. **Goshush –** [**github.com/daniel04soden/goshush**](https://www.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, tinkering with and upgrading old Computers and Laptops and exploring the limits of older technology with Linux.

**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