

# Dawid Pionk

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GitHub: <https://github.com/DawidP2001>

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## PROFILE:

- Currently a 4<sup>th</sup> year student pursuing a Bachelor of Science in Software Development in SETU, Carlow. On track to graduate with first class honours with a 4.0 GPA (**78% average** in all modules).
  - Strong understanding of Java, C++ and Python, and keen to secure a software developer graduate position.
  - Highly proficient in maths, received 70% in higher level leaving cert maths, and 94% in a mathematics module in university.
  - Skilled in web development and database management, received 98% in a university module based on web development.
  - Passionate about software development and keen to secure a graduation position to apply my skills.
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## EDUCATION:

### BSc (Hons) Software Development

South East Technological University, Carlow

2021 – 2025

4<sup>th</sup> Year Modules: Agile Software Development and Verification, **Data Science and Machine Learning**, Concurrent Development (**Go**)

3<sup>rd</sup> Year Modules: Advanced Programming (**C++**), Advanced Data Structures, Cloud Development (**Python**), Operating Systems (**Linux**) and Software Engineering

2<sup>nd</sup> Year Modules: Web Development and database Management (**HTML, CSS, SQL, PHP, JS**), System analysis and testing, Object oriented development (**Java**), computer architecture (**Assembly**), Algorithms and data structures

Leaving Certificate (412 points), Ardscoil Na Trionoide, Athy, Co. Kildare

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## PROJECTS:

**Java Bytecode Interpreter:** In this project I made an educational program where the user would upload a java file or select one of available examples. Then the program would display the bytecode of that java file, and the user would parse through it line by line while updating the stack.

Link: <https://github.com/DawidP2001/Java-Bytecode-Interpreter>

Video Demo: [https://www.youtube.com/watch?v=FaSxbZgiHk0&ab\\_channel=dawidpionk](https://www.youtube.com/watch?v=FaSxbZgiHk0&ab_channel=dawidpionk)

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**Web development project:** A group project involving 4 people, in which we developed a website using: **HTML, CSS, JavaScript** for front-end development, and **SQL and PHP** for back-

end development. This project lasted 5 months, during this project we would have a meeting every week where we would delegate tasks based on each team members ability, so I decided mainly to focus on backend and JavaScript since that is my strength.

**Grade: 95%**

Link: <https://github.com/dawidP01/Projects/tree/main/Website%20Project>

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**Arcade Games:** Developed games like space invaders and snake. Mainly used either **python** or **assembly** for these. I would do these projects in my spare time as a hobby. It would involve trying to replicate basic popular arcade games to practice my coding skills.

**Grade 100%**

Link: <https://github.com/dawidP01/Projects/tree/main/Assembly%20Game>

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## **TECHNOLOGY SKILLS:**

**Web Development:** Studied web development related languages for the past 3 years, which includes **HTML, JavaScript, SQL, PHP** and **CSS**. Received a 98% for my web development module in 2<sup>nd</sup> year, as well as a 95% for my website group project above.

**Software development:** Received 96% for programming in 1<sup>st</sup> year and a 81% for object-oriented programming in 2<sup>nd</sup> year. Experience making software for a year as a hobby as well as over 3 years of college experience. Studied **java, Python, C++** and **Assembly**.

**Operating System:** Deep understanding of computer architecture on a software and a hardware level. Received 88% in computer architecture and 88% in operating systems. Studied **Linux** and **Windows**.

**Machine Learning:** Currently working on a Twitter sentiment analysis project as well as a module on data science and machine learning.

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## **CAREER HISTORY:**

08.20 – Present

**Mama Mia Chapel Lane, Athy**

**Cook**

Working as a part of a team preparing various foods for customers in an organised and timely manner. Taking orders, resolving issues, restocking and preparation. Responsible for opening and closing as well as stock taking. Working flexibly during busy times.

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## **Languages:**

English (Fluent written & oral), Polish (Native)

## **References:**

Emilio Del Greco(Owner, Mama Mia) +353 (87) 776 8340