Aaron Layton

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Final year computing student with a strong foundation in software development, object-oriented programming and database administration/analysis, with a track record of collaborating effectively on team projects. A quick learner who embraces challenges and enjoys problem-solving. Seeking graduate opportunities to showcase my abilities and progress in my career.

EDUCATION

SEP 2022 – PRESENT

Technological University Dublin - Tallaght
BSc Hons in Computing with Software Development

3.5 GPA, Expecting to graduate with a First Class Honours Degree in May 2025.

SEP 2020 – MAY 2022

Maynooth University
BA Double Major in Computer Science & Finance

SIGNIFICANT PROJECTS

2024/2025

Final Year Project
Currently working on my final year project which is industry backed by IBM. The aim of our project is to create a Git-hook which will scan committed code for possible optimisations or code smells and then output this information to an interactive dashboard which the developer can leverage to improve their code.

2023

E-Commerce Website
Group project involving the development and deployment of a movie booking website using Django MVC framework. Utilized GitHub for version control and collaborative development on our project. We tested our features and access controls using Django unit tests.
Key Features: Account authorization & actions, search/filter movies, make a booking & payment, leave a review, view trailers.

2021

Hashing Problem
Individual project in which I was tasked with finding two grammatically and semantically correct English sentences whose hash value, using SHA-256, are as close as possible.

WORK EXPERIENCE

FEB 2024 – AUG 2024 (FT)

AIB
Mainframe DBA & Security Internship

During my third year of college, I completed a 6-month internship with AIB, where I worked evenly between two different teams. I contributed to managing and optimizing mainframe databases, I also supported the automation of Security assurance and attestation though the use of Mainframe Security tools.

SEP 2020 – PRESENT (PT)

Uniphar Group
Warehouse Operative

Trained and experienced on many different tasks, most of which relate to order picking, packing, and sorting of pharmaceutical products. Regularly interact with inventory management systems and automated order processing.

SEP 2019 – JUL 2020 (FT)

Commercial Engineering Solutions
Refrigeration + Air-Conditioning Apprentice

Worked alongside several different engineers and completed a diverse range of service and installation jobs while dealing directly with customers of the company on a daily basis.

TECHNICAL SKILLS

SOFTWARE DEVELOPMENT	Java, Python, C++, C#
WEB DEVELOPMENT	HTML, CSS, JavaScript, Bootstrap
FRAMEWORKS	Django, .NET, Blazor, React
DATABASE ADMIN & ANALYSIS	MongoDB, PostgreSQL, Oracle Numpy, Pandas, Pyplot
VERSION CONTROL	Github, Azure
CLOUD	AWS, Google Cloud, Docker
OTHER SKILLS	Unit testing, REST,

ACHIEVEMENTS + HOBBIES

NVIDIA	Fundamentals of Deep Learning.
MATHEMATICS	Irish Junior Maths Competition
LICENSES	Ride-On & VNA Forklift certified
FOOTBALL	Playing senior football for Old Bawn Football Club.
EXERCISE	Regularly perform individual strength training.

References available on request.