Hayden Carroll

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Education

Technological University Dublin — Dublin, Ireland
Bachelor of Science, Computer Science Honours — *Aug. 2022 – May 2026*

Mount Temple Comprehensive School — Dublin, Ireland
Leaving Cert — *Aug. 2015 – May 2022*

Projects

Discord Clone | *Next.js, React, Socket.io, Prisma, Tailwind, MySQL* — Late 2023

- Made a Clone of the popular instant messaging website, Discord
- Real-time messaging using Socket.io
- MySQL database using Planetscale

Chess Program | *Python, PyGame* — Early-Mid 2023

- Built Python Chess Program with certain algorithms to detect checks and checkmates.
- Also included move validation algorithms

To-do List Program | *JavaScript, Node.js, MongoDB* — Mid-Late 2023

- Interfaced with Google Calender API to let users import Google Calendar Items
- Built it on a web application using Node.js
- Stored application data using database deployed by AWS

Experience

Temporary Clerical Officer — May 2023 – August 2023
Department of Social Protection — *Dublin, Ireland*

- Worked within Recovery of Benefits and Assistance, registering insurance companies claims
- Worked with sensitive information within the government to complete claims
- Had to work as a team within an office setting, very valuable experience

Summer Tutor for University — Summer of 2023
Technological University Dublin — *Dublin, Ireland*

- Worked with students who struggled in certain subjects during the year and did not pass final exams.
- Helped 2 Students with Programming, had to ensure I was fully refreshed in course contents
- Received 90% in Final Exams so I was eligible to help
- Both students went on to pass

Technical Skills

Languages: Java, Python, C, JavaScript, HTML/CSS, SQL, PHP
Frameworks: React, Node.js, WordPress, FastAPI
Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Libraries: PyGame, pandas, NumPy, Matplotlib