

Hayden Carroll

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EDUCATION

Technological University Dublin

Bachelor of Science, Computer Science Honours

Dublin, Ireland

Aug. 2022 – May 2026

Mount Temple Comprehensive School

Leaving Cert

Dublin, Ireland

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, JavaScript, HTML*

Early-Mid 2023

- Built Python Chess Program with certain algorithms to detect checks and checkmates.
- Also included move validation algorithms
- Had 1-Player and 2-Player options with randomization-based backtracking algorithms to find and play moves against user

To-do List Program | *JavaScript, Node.js, MongoDB*

Mid-Late 2023

- Interfaced with Google Calendar 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

Department of Social Protection

May 2023 – August 2023

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

Technological University Dublin

Summer of 2023

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