

Evan O'Rourke

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About Me

I'm a computer science student with a strong passion for technology. I spend my free time learning new technologies creating projects to stay up-to-date with the latest tech and improve my programming skills. I am enthusiastic about software engineering, and looking to expand my knowledge in a professional setting.

Tech Skills

JavaScript | TypeScript | HTML | CSS | SASS | React.js | Node.js | Express.js
Python | Flask | Selenium | Pandas | spaCy
Java | C# | MySQL | GIT | Azure

EDUCATION

National College of Ireland (NCI) Dublin
Bachelor of Science in Computing Expected May 2025
Cumulative GPA: 2:1

Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming, Advanced Databases, Web Application Development, Data Communications and Networking, Software Quality and Testing, Advanced Programming, Intro to Artificial Intelligence and Machine Learning.

Blackrock Further Education Institute (BFEI) Dublin
QQI Level 5 Certificate in **Software Development** Aug 2020 - Jul 2021
Distinction

Relevant Coursework: Web Development, Databases, Fundamentals of Object Oriented Programming, Software Development, Mathematics, Mobile Technologies.

Virginia College Cavan
Leaving Cert 2013 - 2019

WORK EXPERIENCE

Optum Dublin
Software Engineer Internship Jun 2023 – Aug 2023

- Worked with my team to develop an application in Python that automatically scraped and analysed information, extracting valuable insights and trends from data, which is then presented and visualised in a front-end, streamlining the research process for an internal team.
- I optimised the web scraping process and made it 2.5x faster.
- I created multiple methods of extracting important information from the dataset and displaying it to the user.
- Gave 4 shark tank presentations describing our work progress to project stakeholders and other teams.
- Worked as a part of a team using Git for version control, involving responsibilities such as creating and handling pull requests and conducting code reviews.

Dunnes Stores

Dublin

Deli Assistant

Oct 2021 – July 2022

- Collaborated with a team of deli associates to ensure efficient food preparation and service.
- Effectively communicated with customers to understand their needs and provide excellent service.

COLLEGE PROJECTS

Drink Recommendation App

- Designed and implemented a drink recipe and recommendation application in a 4-person team.
- Created a recommendation system that suggested new drinks to users based on other drinks they liked.
- Designed and implemented the user-friendly front-end interface using React.js, TypeScript, and SCSS, enabling users to browse, like, and comment on drink recipes.
- Developed a backend REST API using Node.js and Express, backed by a MySQL database hosted on Azure.

Personal Projects

URL Shortener and QR Code Generator

- Built a backend REST API using Python and the Flask web framework to serve mobile responsive HTML, CSS and Javascript and manage HTTP requests for users.
- Integrated a MySQL database to store and manage shortened and original URLs.
- Created a user friendly front-end for users to interact with using HTML templates.
- Flask app and MySQL Database both hosted on Azure.
- Web App is live and hosted with a custom URL - lillink.net.

Task Management Application

- Developed a mobile responsive task management application using React.js, TypeScript, and SCSS, providing users with an intuitive task tracking solution.
- Designed a task entry system that enables users to assign priorities, icons, and colours to each task and then sort their tasks using these same attributes, facilitating efficient task categorization.

Sorting Algorithms Visualiser

- Created a website using Javascript, HTML and CSS to display how sorting algorithms work step-by-step.
- Visualised Bubble Sort, Insertion Sort and Selection Sort.
- Added controls to allow users to change the speed of the visualisation and size of array being sorted.

Projects shown on my Portfolio Website with many other projects on my GitHub.

Other

References available on request.

I'm available to start from January 2024.