


Liam Ronan

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[GitHub](#) 

≡ PROFILE

Well-organised Creative Computing penultimate student with strong academic results to date currently averaging a 1.1. I am detail-oriented with strong problem-solving skills. I'm a highly motivated, flexible team player who is enthusiastic to learn new technologies and improve my skills while seeking internship opportunities.

⚙️ KEY SKILLS

- Java
- JavaScript
- PHP
- Laravel
- Python
- CSS
- SQL
- Tableau
- Bootstrap 5
- Git
- React
- Figma
- P5.JS
- Agile
- Express
- Linux
- Tailwind
- SASS
- Creately
- Maths for IT
- HTML

📁 WORK EXPERIENCE

Shalom Real Estate

April 2019 – March 2023

- Communicated across teams to ensure workflow efficiency.
- Worked closely with the accounts department to ensure company stock levels were maintained.
- Communicated with the clients to bring regular updates on projects.
- Decision making skills were improved during this time, as I had to make decisions off my own initiative.
- As problems arose, I worked closely with the project management team to find solutions.

Apple green

June 2018 – April 2019

- Maintenance of stock levels.
- Was involved in the training and development of new staff.
- Interacted with customers to offer help and assistance.

🎓 EDUCATION

Blackrock Further Education Institute: **Level 5 Computer Science**

Sept 2020 - May 2021

Modules Included: Software Architecture, Communications, Personal Professional Development, Web Design, Object-oriented Programming, Relational Databases, Maths For IT

- Received 7 Distinctions

Dun Laoghaire Institute Of Art, Design & Technology: **BSc (Hons) Level 8 Creative Computing** Sept 2021 - June 2025

Relevant Modules:

- **Networking & Cloud Computing** – Cisco Packet Tracer, Client/Server, Firewalls, HTTP, TCP/IP
- **Front-end Development** – React, REST API, Material UI, Bootstrap, Responsive Design
- **Advanced Databases** – Group project, MySQL database, Relationships, SQL commands
- **Architecture & Operating Systems** – NodeJS, Express, Insomnia, NPM, Linux commands
- **Data Visualization**- Spatial Visualization, R Studio, Tableau, Data Analysis

🔗 Software Projects

- Developed numerous websites over the course of my studies that demonstrate my knowledge in HTML, CSS, and JavaScript. A Sennheiser 1:1 Replica and a website for wedding photography are a couple of examples. Additionally, used Bootstrap 5 and SASS to create a mobile-responsive events website, and designed the prototype in Figma. Documented Research in Miro and highlighted design system components.

Events website: [Events Website](#)

- Recently developed a barbershop booking system utilising Laravel, PHP, Bootstrap 5, and SASS in accordance with the Agile methodology, requiring 4 months to complete the entire software development lifecycle. Users can make, update, or cancel appointments. The barbershop application administrator has the capability to add new barbers, change existing barbers' information, or remove existing barbers. The administrator may also modify, add, or remove haircuts. Created a news website where you can create, read, update, and delete news articles. PHP was used to connect the website to a MySQL database containing all the stories. I also built a Laravel application that hosted Software developers' projects. The website featured file submissions, relationships, pagination, flash notifications, user authentication, admin functionality, and CRUD functionality.

Laravel Barbershop Booking System may be seen here: [Images](#)

Using data from various sources, I developed a data visualization project using JavaScript for my creative coding module. This project included a variety of graphs, including bar charts, layered bar charts, horizontal bar charts, and scatter plot charts. For many of the world's countries, the scatter plot representation contrasted GDP per capita and covid death rates per million. The charts use a colour palette, are 3D, adapt and scale to the data entered, and may be user configurable. Also, I utilized tableau to analyse the tourism patterns of other nations who visited Ireland for a different task, subsequently I documented the findings and used them in a report for the project.

Data Visualisation images may be seen here: [Images](#)

- Using object-oriented principles, developed several Java applications, including systems for managing company departments, shopping carts, and train tickets. I was required to analyse and test each programs efficiency and performance. JavaScript and P5.js creating generative art helped me further improve my object-oriented skills.
- The responsibility of creating a prototype for a sustainable energy app was passed to me as the team leader in a group of four people. The application that we chose was for stadiums where the employees could monitor an analysis of how much electricity, energy, and gas is being used, as well as manage and regulate their energy consumption through various features in the application. Together with two other colleagues, I took the lead on another project where we had to design and build a MySQL database that had data relating to the world cup, such as the teams, players, matches, groups, etc. Although we experienced challenges creating complex SQL commands, we managed to find solutions and complete the project.

View all my Projects here: [GitHub](#)

📌 Interests/Hobbies

- Strongly enjoy learning new technologies and languages in my free time, such as Python, React, and improving my JavaScript abilities, as I am enthusiastic about software development, UI & UX design, and data science.
- Passionate about video games, development, and design.
- Having previously constructed two PCs, I take enjoyment in staying up to date with the arrival of new PC components.