

# Simon Kelly

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## Summary

**Web developer** with a **BA in Electronic & Computer Engineering** from Dublin City University, Ireland. Proficient in **Python** and **web development technologies**, dedicated to solving complex problems and creating impactful software solutions. Seeking a junior or graduate role to contribute to meaningful projects in a collaborative, innovative environment and further enhance skills.

## Skills

- **Web development**
- **HTML**
- **CSS**
- **JavaScript**
- **React.js**
- Python
- Java
- C++
- Three.js
- Flask
- Pytest
- GitLab
- Agile methodologies
- Software testing
- Version control
- Teamwork
- Communication
- Problem-solving

## Experience

03/2023 - 08/2023

Software Development Intern, **Klas Telecom**, Dublin, Ireland

- Developed a Software Test Result Generator, enhancing project efficiency.
- Key contributor to the software suite, utilising **Python**, Pytest, Flask, **HTML**, **CSS**, and **JavaScript**
- Gained practical experience in **front-end web development**, software testing, and version control with **GitLab**.
- Worked closely with colleagues in the Software Testing Team to promote **collaboration** and **maximize efficiency**

05/2020 - 12/2021

Sales Assistant, **Dunnes Stores**, Drogheda, Ireland

- Developed strong **customer service** and **interpersonal** skills within a dynamic retail setting.
- Managed transactions, inventory, and deliveries, demonstrating **flexibility** and strong **problem-solving** abilities.

06/2017 - 07/2019

Football Coach, **Football Association Of Ireland**, Louth, Ireland

- Developed training programs for youth, focusing on skill development, teamwork, and discipline.
- Demonstrated excellent **interpersonal** skills, as well as **leadership** and **communication** skills.

**Last Man Standing - Football Prediction Web App**

## Projects

- Developed a **React**-based web application for managing football prediction competitions
- Implemented **user authentication** and **real-time data management** using Firebase
- Integrated third-party **API** for live match data and utilized React Context for **state management**
- Designed responsive UI and created an admin panel for competition management
- Technologies: **React, Firebase, RESTful APIs, CSS3, GitHub Actions**
- Demo: <https://lastmanstand.ie>

### Virtual Reality Colonoscopy Project

- Developed a web-based **VR** colonoscopy tool combining **Python** and **Three.js**
- Converted CT scan data into 3D colon models using **image processing** techniques
- Created an interactive virtual inspection environment for medical professionals
- Aimed to improve accuracy and non-invasiveness of colonoscopy procedures
- Technologies: **Python, Three.js, Image Processing, Web Development**
- Demo: <https://finalyearproject-edb5a.web.app/>

### Automatic Guided Vehicle Project

- Contributed to the design and development of an automated vehicle
- Focused on **wireless communication** between control server and vehicle
- Demonstrated **teamwork** and **engineering skills** in a collaborative environment
- Technologies: C, Energia

### Lecture Room Dashboard Group Project

- Developed the **frontend** of a dashboard application for room booking and availability
- Designed and implemented user interfaces using **HTML, CSS, and JavaScript**
- **Collaborated** with backend team to ensure seamless data integration
- Implemented features for booking rooms and viewing available spaces
- Technologies: **HTML, CSS, JavaScript, Frontend Development**

## Education

**06/2024**  
**B.Eng. In Electronic And Computer Engineering**  
**Dublin City University**, Dublin

**06/2019**  
**Leaving Certificate**  
**Dundalk Grammar School**, Dundalk, Co. Louth

## Achievements

- School Prefect and Duty Assistant, demonstrating **leadership** and **responsibility**.
- Completed FAI Football Coaching Courses, highlighting commitment to **personal development** and **leadership**.
- Earned GAISCE The President's Award in 2017

## Languages

**English:** First Language

**Norwegian:**  C1  
Advanced (C1)

**Spanish:**  B1  
Intermediate (B1)

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## ***Links***

- <http://linkedin.com/in/simonkellydev>
- <https://github.com/SimonK3lly>
- <https://www.simonk.ie>

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## ***Hobbies And Interests***

- Active in soccer, fitness, and water sports.
- Enthusiastic about travel and experiencing different cultures.

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## ***References***

Available upon request.