

Hubert Krzemieniewski

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Education

University College Dublin

BSc Computer Science with Data Science and AI

Expected Graduation: May 2027

Projects

Fantasy Premier League Notifications | App

Python | JSON | SwiftUI | Firebase

- Developing a notification-based mobile app integrating **Python** and **Firebase**, enhancing user experience by pushing real-time Fantasy Premier League updates.
- Implemented **API** based backend logic to detect changes to database and push relevant updates accordingly.

Data focused board-game simulator | Text-based simulation

Python

- Created a Snakes and Ladders board game simulator with customisable board configurations and dice mechanics.
- Used simulation outputs to analyse and visualise results and insights with Matplotlib.

Network simulation

Cisco Packet Tracer

- Designed and simulated a network topology to model and demonstrate real-world network.
- Configured network protocols (e.g., DHCP, VLANs, and routing) and validated functionality through simulations.

Biography Website on Historical Figures | Website

HTML5 | CSS

- Collaborated with a 5-person team to create a multi-page website with a shared CSS stylesheet.
- Developed and personalised individual HTML/CSS pages while contributing to shared styling.

Work Experience

Ronan Group Real Estate

May 2024 - September 2024

Finance and Development Intern

Ronan Group is one of the leading developers in Dublin and Ireland, completing projects such as the Convention Centre Dublin, Salesforce Tower Dublin and the Meta EMEA HQ Dublin, among others.

- Automated file renaming with **PowerShell** saving up to **2 minutes per folder** by reducing manual input.
- Collaborated with a fellow intern to produce a study into implications of AI for the company, while working under a senior manager, presenting findings in front of company directors.
- Extensive experience working in MS Excel, creating financial models and tracking CC expenses.

Play & Say Intercultural

July 2022 | July 2023

Volunteer English language mentor

La Rioja, Spain | Galicia, Spain

Over two summers I worked as a language mentor, helping Spanish teenagers hone their English skills by engaging in one-on-one conversations and providing personalised feedback.

Academy Geographic

June 2021 - May 2024

Landscaper/Gardener

Worked part-time as part of a 3–4-man team taking care of a 25-acre private estate.

Technical Skills

Languages: Python, Java, SQL, Bash, HTML5, CSS, SwiftUI

Tools and technologies: Git, Google Firebase, MySQL, Cisco Packet Tracer, Microsoft Office suite, Linux

Other: Unit testing, Object Oriented Programming, Agile, Project-Management, Scrum

Certifications

Project Management

September – December 2023

UCD Professional Academy

Completed a 3-month course introducing me to project management. Key topics included:

- **Agile methodologies**, stakeholder management, communication, scheduling and budgeting.

Technical Support Fundamentals

August 2024

Google, Coursera

Key topics included: Effective communication, Troubleshooting and Problem-Solving.