

EDUCATION

UNIVERSITY OF NOTRE DAME	Notre Dame, IN
Master's of Science (MSc) in Engineering, Science & Technology Entrepreneurship (ESTEEM) Naughton Fellowship (Full Scholarship) for academics and merit Class Representative to Graduate School Government, President of Social Committee	Expected May 2026
UNIVERSITY COLLEGE DUBLIN (UCD)	Dublin, Ireland
Master's of Engineering (MEng) in Engineering with Business – Ranked 1st in Cohort Summa Cum Laude, EGA Gold Medal for Highest Academic Standing (Highest GPA)	Sep 2023 - May 2025
Bachelor's of Engineering (BEng) in Mechanical Engineering UCD Entrance Scholar for achieving 601 points (96%) in the Leaving Cert Exams Study Abroad Semester at University of Virginia (UVA) in Aerospace Engineering	Sep 2020 - May 2023

PROFESSIONAL EXPERIENCE

Graduate Strategy Consultant, Energy Vault – Westlake Village, CA (Remote)	July 2025 – Present
➤ Interviewing 50+ key stakeholders to research the evolving needs of Power Grids and Data Centers	
MEng Thesis Project (Sponsored by FoodMarble), UCD & FoodMarble – Dublin, Ireland	Dec 2024 – May 2025
➤ Developed and validated a proof-of-concept GenAI Pipeline to automate health data extraction from free-text and spoken patient narratives to streamline self-reporting and boost engagement in Remote Patient Monitoring and mHealth apps	
➤ Evaluated 15 Top LLMs across a dataset of 100 synthetically generated Patient Narratives on 6 key performance criteria	
➤ Awarded Highest Grade in cohort (A+) and Presented at International AI Conference (ACDSA 2025)	
➤ Secured a product pilot with FoodMarble, undergoing end-to-end integration tests ahead of app deployment	
Software Engineering Intern, FoodMarble – Dublin, Ireland	Jun 2024 – Dec 2024
➤ Developed, validated, and deployed the “FODMAP Swaps” project, a Gen AI app feature leveraging the <i>Claude 3.5 Sonnet API</i> to offer personalized alternatives for 2000+ foods to users with food intolerances – currently live in the FoodMarble App	
➤ Interviewed 30+ power users to develop and deploy a new health analytics dashboard in the Android app	
➤ Contributed key features and bug fixes during testing and global launch of new Android App (10k+ downloads, 4.5 stars)	
Civil Engineering Intern, Cairn Homes – Wicklow, Ireland	Jun 2021 – Aug 2021
➤ Designed 12 cost-effective roadway & public space layout configurations using CAD for a 241-unit housing development	
➤ Shadowed site engineers, gaining cross-functional insights into project management within a €1.5 Billion PLC	
Bar Manager, Feast Catering – Wicklow, Ireland	May 2022 – June 2024
➤ Advanced from Bartender to Manager, showing leadership by training and overseeing a team of 18 staff	

LEADERSHIP & SOCIAL IMPACT

➤ Raised €72,000+ with the Lumule Foundation for construction of a hospital in Kitgum, Uganda	Dec 2024 - Apr 2025
➤ Raised €12,000+ with UCD Engineering Society for Pieta House	Sep 2023 - Nov 2023
➤ Raised €85,700+ with the 100 Minds Program for Temple Street Children’s Hospital	Nov 2020 - Mar 2021
➤ Raised €2,500+ through self-run fundraisers for Operation Smile	Jun 2017 - May 2020
➤ Head Boy (School Captain), St. Gerard’s Catholic Secondary School	Sep 2019 - May 2020
➤ Operation Smile International Student of the Year (Logan Taylor Award) and Irish Student President	2019

SKILLS

Technical: GenAI, Prompt Engineering, JSON, Coding, Python, Kotlin, GIT, MATLAB, CAD, Fusion 360, AutoCAD, SolidWorks
Soft: Leadership, Problem Solving, Public Speaking, Microsoft Suite, Google Suite, Zoom, User Centered Design
Business & Strategy: Strategic Thinking, Client Engagement, Fundraising, Cross-functional Collaboration
Interests: Rugby, Premier League Football, GAA (Recently), Scuba diving, Generative AI, Startups