

Mark Henry

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Profile

A 2nd-year Mathematics student at University College Dublin (UCD), on track for a 1:1 degree. I am a proficient data analyst with experience in R&D, focusing on machine learning and data analysis. I am also an Equity Analyst for the Energy and Renewables sector in the UCD Student Managed Fund. I possess strong programming skills in Python, R, and VBA and in my own time I am developing my own trading insight application that others in UCD can use for market research.

Education

University College Dublin (2023-2027)

- 2nd year mathematics student, currently on track for a 1:1 degree

Secondary school (2017-2023)

- Colaiste Eoin, Dublin. I am a fluent Irish speaker
- As captain of the schools debating team I managed to guide my team and I to the top four debating teams in the country.

Key Experience

Summer Internship | Moneycube Ltd. (Pensions and Investments)

May 2023 – August 2023

- Secured a competitive internship during my first year at college, working with a private wealth management firm.
- Developed a CRM report automation app that is used weekly by the team to quickly generate reports.
- Performed analysis on bonds, ETFs, and other investment vehicles for clients.
- Offered a **part-time retention** role following the internship. September 2024

Data Research Analyst | MarketSizer (R&D)

January 2024 – **Present**

- Contract-based work with a growing startup, collaborating directly with the founder.
- Developed and implemented new experimental machine learning and data analysis methods to enhance prediction models.
- Contributed to the growth and innovation of the company's predictive analytics capabilities.
- Managed the first deployment of a functional client churn prediction model that is currently used in the production environment.

Key Achievements

- **Winner** of the 2024 UCD Stock Pitching Competition, outcompeting over 150 students.
- **Awarded First Class Honours** in the Early University Entrance program at DCU for microeconomics and management accounting in January 2021, while still in secondary school.
- **Qualified Sailing Instructor**
- Attended an **Elite Sailing Training Programme** in Malta (2021) and competed in a World Championship event in the Laser class.

Skills

- **Mathematics:** Multivariate calculus, Advanced linear algebra, Quantum optimization.
- **Programming Languages:** Python, R, VBA, SQL
- **Data Analysis & Machine Learning:** Experienced in applying statistical techniques to real-world data, including developing and testing classification and prediction models.
- **Financial Analysis:** Equity analysis, bond analysis, options strategies, investment strategies, and market research.
- **Languages:** Fluent in Irish and English.

Interests and Hobbies

- **Sailing:** Active member of the Royal Saint George Yacht Club since 2018; participated in national and international competitions.
- **Cycling:** Regularly engage in long-distance cycling.

Many thanks,

Mark Henry