

ROHAN DEVEREUX

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EDUCATION

- **University College Dublin** B.Science in Applied and Computational Mathematics expected May 2026
 - GPA: 4.05/4.20 | Courses in Pure, Applied, Computational and Financial Mathematics
 - College of Science Academic Award 2024 | Entrance Scholar 2022
 - Classical Association of Ireland Centenary Medal 2023
- **University of Edinburgh, College of Science and Engineering** 2024-2025
 - Exchange student for one year | Only student nominated by the UCD College of Science out of 400+ potential candidates
- **Gonzaga College Dublin (High School)** Graduated 2022
 - Achieved 8 H1s in the Irish Leaving Certificate (Highest grades achievable in final school examinations; In the top 0.1% of results in the country) in Mathematics, Applied Mathematics, Physics, Chemistry, English, French, Irish and Ancient Greek
 - **International Junior Science Olympiad in Doha, Qatar:** Bronze Medal 2019
 - **Irish Junior Science Olympiad:** Silver Medal 2019
 - **Andrew Bacon Award for Mathematics and Science | 'Men Speechless' Award for Rhetoric** 2022
(Awards for the best STEM student and the best student in writing and public speaking in the year group)

WORK EXPERIENCE

- **Ishara Investments | Data Science Intern** 2024-Present
 - Building and implementing data science projects in Python to enhance hedge fund fundamental investment research in the biotech sector
- **UCD School of Economics | Statistical Research Assistant** Summer 2024
 - Conducted statistical analysis for a paper scheduled for publication in early 2025, focusing on the determinants of demand for private health insurance in Ireland
 - Utilized R programming to perform multiple regression analyses, evaluations of statistical significance and decompositions of endogenous effects, contributing to the statistical rigor of the paper
 - Independently formulated hypotheses and tested their validity against empirical data
 - Reviewed literature in health economics and econometrics in order to gain a wider understanding of the subject matter and its statistical treatment
- **Deerpark Tennis Club and Shankill Tennis Club | Coach** 2022-2024
 - Taught tennis technique and managed more junior coaches
 - Volunteer coach to help prepare members of the Irish Visually Impaired Tennis team for the World Championships in Italy, contributing to their achievement of two bronze medals
- **ING Bank N.V. (Dublin Branch)** Winter 2020
 - Intern in Finance* | Interned in Client Management, Risk, Finance, Compliance and Accounting
 - Performed valuation, compliance and accounting exercises
 - Doubled the efficiency of balance sheet creation by developing a program to automate accounting calculations
 - Researched BMG Cash Management and presented ideas for growth to senior management
- **Fighting Words** Spring 2020
 - Volunteer* | Helped children develop writing skills through creative expression

- **UNICEF | Volunteer Researcher** *Winter 2019*
 - Performed statistical analysis of the relationship between access to clean water and sustainable development across different countries and regions, examining the root causes in each context
 - Presented findings to senior staff and recommended specific actions based on the results
- **Simon Community | Volunteer** *Fall 2019*
 - Developed strategies for increasing revenues in charity shops, leading to a 25% increase in fundraising
 - Analyzed inventory, price and sales data in order to optimize inventory turnover rates, pricing and store layout, thereby maximizing revenue generated

TECHNICAL SKILLS

- **Computer Programming**
 - Proficient Python programmer, experienced with well-recognized packages (e.g. NumPy, SciPy, Pandas, Scikit-learn, TensorFlow, Matplotlib)
 - Intermediate C++ programmer, focus on algorithm design
 - SQL; R; Mathematica; LaTeX; Microsoft Office
- **Quantitative Skills**
 - Statistical and Probabilistic Modeling: Inferential and Bayesian methods, Markov chains
 - Machine Learning: Supervised and Unsupervised learning methods (Regression, cluster methods etc.)
 - Differential Equations: Linear and nonlinear, using analytic and numerical methods
 - Numerical Problem-solving using Programming: Methods such as the Runge-Kutta and Adams-Bashforth
 - Financial mathematics: Stochastic calculus, Options pricing, Black-Scholes model and PDE, Greeks
 - Linear Algebra: Eigensystems, diagonalization, relation to systems of differential equations

CO-CURRICULAR ACTIVITIES

- **Edinburgh University Trading and Investment Club | Quantitative analyst** *2024-Present*
 - Focus on developing trading strategies utilizing Mathematics and software programming at a fund with over £92,000 in AUM
 - Implementing approaches such as mean regression, pairs trading and momentum-based strategies
 - Backtesting strategies using Python by splitting historical data into training and testing sets to minimize the risk of overfitting
- **Edinburgh University Formula Student | Statics (Creative Business Presentations) Team Member** *2024-Present*
 - Working on developing business models and pitches regarding self-driving cars for the Business Plan presentation at Formula Student UK in Silverstone
 - Examining financial, commercial and technical aspects of the industry to plan prospective business ventures
- **Gonzaga College French Debating Team** *2021-2022*
Silver Medalist in the 2022 Alliance Française Joutes Oratoires Debating Competition
- **Gonzaga College Model United Nations Team** *2019-2022*
 - Distinguished Delegate in the Blackrock College Model United Nations Competition in 2020 and 2022
 - Mentored junior members of the delegation, including other award winners
- **Debating**
 - Top Ten - Irish National Junior Championship | Finalist - UCD Junior Schools Debating Competition *2019*
 - Compete in debates as a member of the UCD Literary and Historical Debating Society *2022-Present*
and the Edinburgh University Debates Union

HOBBIES & ADDITIONAL INFORMATION

Tennis, Guitar, Chess, Judo, Hiking, Swimming | Dual citizen: Ireland and USA | Native English speaker