MATHEMATICS WITH ECONOMICS STUDENT

Lewis Wilson

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Profile

I'm a second-year Mathematics with Economics student at the University of Exeter. I use maths, data and AI to explore ideas and build things that solve real problems.

Education

BSc Mathematics with Economics | University of Exeter

2025 to 2029

Second-year undergraduate, with a placement year in 2027/28. My studies cover statistics, linear algebra, calculus, differential equations, real analysis, algebraic structures and microeconomics, alongside mathematics for machine learning and AI. I also participate in university AI workshops covering model building, ethics and practical applications.

A-levels | Royal Grammar School, Guildford

2023 to 2025

Economics A*, Mathematics A, Physics A.

GCSEs | Weydon School

2020 to 2023

Mathematics, Further Mathematics, English Language, English Literature, Physics, Chemistry, Biology, Business, History, French and Computer Science.

Experience

Mathematics and Economics Tutor | MDF Tuition

February 2026 to present

- I tutor A-level students in Mathematics and Economics, working through difficult topics, improving exam technique and practising exam questions.
- I adjust explanations to suit each student and help them feel more confident asking questions.

Taekwondo Instructor | Farnham School of Taekwondo

2023 to 2025

- Led warm-ups, sparring and self-defence sessions for classes of approximately 30 students.
- Coached students one-to-one at national tournaments, offering feedback and support during competitions.

Actuarial Work Experience | ReAssure, one-week placement

July 2024

- Spent a week with an actuarial team, joined internal strategy meetings and saw how the team uses data to make decisions.
- Used an insurance pricing calculator and explored the code and data tables behind risk models and customer quotes.
- Developed spreadsheets and gained experience responding to customer queries.

Business Student Leader | Weydon School

September 2022 to September 2023

- Appointed to run an after-school Business and Economics club for younger students.
- Designed and led activity-based sessions covering economic ideas and business strategy.

Junior Product Design Work Experience | Space01, two-week placement

Summer 2022

- Took an idea from its initial concept through research, design and build.
- Worked with different teams to learn how digital products are created.

Projects

Independent learning and projects. I use Claude and Codex to research ideas and build applications. I learn new tools through practical projects, with a focus on Maths, data and useful solutions to everyday problems.

SAVE.IT

- Designed and prototyped a social savings app in React, where friends chip in towards shared goals and talk about them in a group chat built into each goal.
- Focused on two features, contributions and messaging, and now investigating open banking solutions to enable them.

Football Scouting Model

- Built a model to score and rank players using match and performance data, with a SQL database to organise the data.
- Used per-90 metrics and a minimum-minutes threshold to compare players, with filters for position and budget.

Flatmate

- Built a full-stack app for managing shared expenses, with Claude receipt scanning, a shopping list, user authentication and a ledger using Supabase and AWS Amplify.

AI and Wealth Management Report

- Produced a 20-page whitepaper drawing on 49 primary sources to explore AI in wealth management.

Skills

AI	Claude and Codex, AI agents and multi-agent workflows, prompt engineering, and building prototypes and applications.
MATHS AND ANALYSIS	Statistics and data analysis, linear algebra, econometric methods, spreadsheet modelling and experience working with actuarial pricing tools.
WORKING WITH PEOPLE	Client-facing communication; tutoring, coaching and mentoring; leading group sessions; self-directed learning.
DEVELOPMENT	JavaScript and TypeScript, React and Next.js, SQL, Supabase, AWS Amplify (Cognito, AppSync and DynamoDB), GitHub and Python (currently developing my skills).

Interests

Have competed in Taekwondo at national level, winning various medals including British Champion in U18 sparring. Enjoy wilderness canoeing and hiking adventures in Scandinavia, including six canoe expeditions through remote parts of Sweden and Finland. Keen football fan with an interest in teams, tactics and how the game is evolving.

Additional information

- British citizen with unrestricted UK right to work; no visa or sponsorship required.
- Full UK manual driving licence with no penalty points.