Saul Fileen-Orchover

CS & Math First-Year — graduating Jul 2026

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🎓 Education

University of Manchester   *BSc Computer Science & Mathematics*   **In progress**
80^+% average grade across First Year exams

Dame Alice Owen's School   *A-Levels*   **Sep 2020 - Jun 2022**
Maths - A^*, Further Maths - A^*, Computer Science - A^*, Physics - A^*

Jewish Free School   *GCSEs*   **Sep 2015 - Jun 2020**

Maths & Further Maths - 9   Triple Science - 9   Computer Science - 9
English Lit & Lang - 9   Astronomy - 9   Music - 9

Also scored 73/100 on the Oxford MAT - top 15% of all applicants

🧬 Projects

Lost & Found web app   *Full-Stack*   **Oct 2023 - Apr 2024**
- Led group development of a travel web application using LAMP stack, Google Maps API, and threeJS.
- Implemented relational database to dynamically store and fetch user-created data, also developed secure authentication with modern hashing & salting, and PHP session/cookie management.
- Integrated real-world data to build a realistic, interactive Earth, personally designed front-end graphics (logo, icons & styling) and utilized third-party libraries such as marker clusterer & fontawesome.

Spam Email Detector   *Python*   **Apr 2024 - May 2024**
Spam categorization program using Naïve Bayes optimal classifier (with `Jupyter, Pandas & NumPy`)

Tipping Point   *Python*   **Nov 2023 - Dec 2023**
Inverted-pendulum balance game with accurate physics and collision detection (with `TKinter`)

Text Compression Visualizer   *Python*   **Feb 2022 - May 2022**
Dynamic animation of LZ77, BytePair/Huffman Encoding & RLE compression algorithms (with `Pygame`)

Project Euler   *Python & Julia*   **Ongoing**
Solving over 20 of the prestigious Project-Euler mathematical coding problems in both `Python` & `Julia`

</> Technical Skills

✔ Strong fundamentals in `Python, HTML, CSS, JavaScript, PHP, Java, Julia & SQL` languages.

✔ Comfortable using `Git`, `GNU/Linux`, Package Managers, Virtual Environments (`conda`) & $\LaTeX$

✔ Familiarity with range of other technologies like `MATLAB`, `BASH`, `RegEx`, `VIM`, various OSes & more

✔ Solid mathematical foundation in pure and applied fields for efficient, complex problem-solving

✔ Fast touch-typist (70^+ WPM), and experience with the majority of MS/Google Office softwares

💼 Experience

SoraTutoring   *Ebenezer Egunlae (Owner)* - 07743866816   **Dec 2023 - May 2024**
Online tutoring of maths and physics at a reduced rate for underprivileged youth

Mathnasium   *James Land (Manager)* - 07943854225   **Oct 2022 - Mar 2023**
Full-time in-person maths tutor for students aged 6 to 16, also responsible for assessments, interacting with parents & managing/updating their digital system

A-Level & GCSE Tutoring   *Self-Employed*   **Dec 2021 - Ongoing**
Over 2 years experience teaching multiple students, even leading a student to achieve a grade 8 at GCSE

Summer Camp   *Katie Felstein (Director) - katie@habodror.org.uk*   **Jul - Aug 2021 & 2022**
Led as volunteer on holocaust-focused Jewish summer camp (2022), devised and delivered creative lessons on history, persecution & genocide, alongside teaching about wider social issues (2021).
Held legal responsibility for handling welfare, medication, eating, discipline, sexism and other issues