

Saul Fileen-Orchover

CS & Math First-Year — graduating Jul 2026

📞 07980533931

✉ saulivorfo@gmail.com

🌐 saul ivor

👤 saul

🎓 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