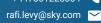
rafilevy.co.uk





2019 - Present

Cambridge, UK

University of Cambridge

- BA Hons degree in Computer Science
- Expected year of graduation 2022

London, UK

JFS School

A Levels:

- A* Computer Science
- A* Further Maths
- A* Physics
- A* Maths

GCSEs:

11 x A*

Projects



OCaml

oregex

A regex engine implemented from scratch. Parses strings to an abstract syntax. Converts the syntax to a lazy state machine which is traversed to find matching strings.



rcrawl

A command line utility which recursively searches for files and directories. Uses concurrency primitives to search using multiple threads leading to up to 3x speedup compared to the non-concurrent version.



Python

The Virtual Agronomist

A chatbot trained to answer agronomy questions from farmers in natural language. Made in collaboration with NIAB (National Institute of Agronomy and Botany).

Other interests

- Beatboxing Lead beatboxer in the a capella groups Cadenza and Kol Tov. Raised over £80,000 for charity with Kol Tov by donating a proportion of performance fees.
- Graphic design Design for graphics for several university societies.
- Rock climbing Climb indoors several times a week.



Languages & Frameworks

Rust, Java, Python, OCaml, Javascript/ Typescript, HTML/CSS, React, SQL, Linux, C,

Hard Skills

Algorithms, Data structures, Mathematics, Full Stack Development, Databases, Graphic design,

Soft Skills

Critical thinking, Problem solving, Communication, Focussed, Inquisitive



October - December 2020

Cambridge, UK

CUJS President

- President of Cambridge University Jewish Society the 2nd most active student society.
- Managed a committee of 20+ people to arrange weekly events for hundreds of students and deal with external and administrative issues.

2016 - Present

Cambridge, UK

Tutoring

- Tutor students from the ages of 8 18 in Computer Science, Maths and Sciences.
- Improved my communication and presentation skills.
- Tutor privately and with the charity Zero Gravity where I was paired with students from low income backgrounds.

August 2018

Enfield, UK

Metaswitch

- Worked with the Orchestration team designing software in Rust and Python.
- Experienced working in an agile development environment and attended daily scrums.

August 2018

London, UK

Natixis Bank

Shadowed the IT department learning about networking and internal software management at international companies and investment banks.