

Education

2019 - Present

Cambridge, UK

University of Cambridge

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

2012 - 2019

London, UK

JFS School

A Levels:

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

GCSEs:

- 11 x A*

Skills

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,
Git

Soft Skills

Critical thinking, Problem solving, Communication,
Focussed, Inquisitive

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.

 Rust

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).

Work Experience

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.

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.