

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 CL

Hard Skills

Algorithms, Data structures, Mathematics, Server development, Databases, Web development, Graphic design, Git

Soft Skills

Critical thinking, Problem solving, Communication, Focussed, Inquisitive

Work Experience

August 2018

Enfield, UK

Metaswitch

- Worked with the Orchestration team designing software in Rust.
- Experienced agile development.

August 2018

London, UK

Natixis Bank

- Shadowed the IT department learning about the technology and software powering investment banking.
- Learnt about networking, server management, software deployment and effective communication strategies.

Hobbies

Beatboxing - Lead beatboxer for Cadenza A Capella
improved my confidence in front of a live audience

Bouldering - Go indoor rock climbing twice a week
keeps me fit and helps maintain my physical and mental health

Graphic Design - Graphic designer for University societies
a creative outlet, has improved my eye for design

Projects

 OCaml

oregex

- A regex engine implemented by compiling strings to a regex type before converting to a lazy NFA to be traversed to find a match.
- Learnt recursive and lazy types and their use in creating efficient algorithms.
- Learnt Dune and OCaml project structure.

 Rust

rcrawl

- A command line utility which recursively searches for a named file or directory.
- Learnt to create command line binaries and command line arguments.

 Java

Bible Verse Generator

- A program to generate Hebrew verses in the style of the Old Testament.
- Implemented by using Markov Models to create a statistical model of verses which can then be used to randomly generate verses.