

Oliver Fogelin

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EDUCATION

University of Cambridge

Cambridge, Cambridgeshire

Bachelor of Arts in Computer Science

Sep. 2023 – Present

- Ranked 41/121 in first year examinations, top 10 for Algorithms and Probability/Statistics
- Treasurer of the Cambridge University AI Society
- Founding member of the current #1 UK CTF Hacking team (MEOW5)

Churcher's College

Petersfield, Hampshire

A Levels and GCSEs

Sep. 2015 – June 2022

- Achieved A*A*A*A*A in Mathematics, Further Maths, English Literature, Biology, and AS Computer Science

EXPERIENCE

Software Engineer Intern

Aug. 2024 – Present

ReactWise (YC S24)

San Francisco

- Building the BE, FE, and infrastructure for a reaction optimisation software startup backed by Y Combinator
- Deployed ML models at scale, focusing on optimising the processing times of Latin Hypercube Sampling and Bayesian Optimisation with Gaussian processes

Software Engineer

Nov. 2022 – Sep. 2023

Worldover

London

- Hired as the founding full-stack software engineer at a VC-backed tech startup
- Architected the BE, FE, and infrastructure, contributing towards major product decisions
- Worked closely on the data model, modelling highly intricate graph data in AWS DynamoDB/Neptune and building cross-stack libraries to manage it
- Set up and managed our APIGateway, Lambda, Amplify, and CloudFormation infrastructure
- Patched the AWS CDK to allow for deploying highly nested CloudFormation stacks in local development
- Built numerous features for our NextJS/Typescript/Recoil webapp, working with Figma and Tailwind

Software Engineer

June 2019 – Present

Foggle Ltd.

- Provide full-stack web and software solutions to clients as a freelance contractor
- Requires hugely varied skill-sets; one project involved debugging an LED sign's firmware over Wireshark, reverse-engineering it with the only documentation written in Mandarin
- Clients include the British Physics Olympiad, AppyWay, NotchNet, and dozens of others, generally involving working with Typescript, Python, React, and AWS Services

Co-Founder and Technical Lead

Oct. 2019 – April 2021

Share A Smile Today

- Co-founded a business with a friend during the Covid lockdown allowing small local storefronts to pivot online
- Created a voucher scanning/issuing system, a customer-facing ecommerce site, and storefront admin pages
- Built using NextJS, React, Express, Python, FastAPI, Docker, MongoDB, Redis
- Scaled up to working with 15+ local businesses and turning a profit

AWARDS

Google Code In, worked with the R Foundation and placed as a Grand Finalist internationally

2019

Oxford University Computing Challenge, top 20 nationally two years running

2020, 2021

Cyber Discovery, won the invite-only Elite CTF finals

2019

Lockheed Martin CodeQuest, led team to first place nationally every year for three years

2018-2021

TECHNICAL SKILLS

Fluent Languages: Typescript, Python, Javascript, Java, HTML/CSS, SQL

Comfortable Languages: OCaml, C++, R

Web Technologies: React, NextJS, tRPC, Recoil, Jest, Storybook, Cypress, FastAPI, Flask, TailwindCSS

General Technologies: Docker, Linux, AWS, Git, Redis, MongoDB, PostgreSQL