Oliver Fogelin

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EDUCATION

University of Cambridge — Cambridge, Cambridgeshire
Bachelor of Arts in Computer Science — *Sep. 2023 – Present*

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 — Nov. 2022 – Sep. 2023
Worldover — *London*
* Hired as the founding full-stack software engineer at a VC-backed tech startup
* Architected the BE and FE, contributed towards major product decisions, and on-boarded new team members as we scaled up
* Worked closely on the data model, handling highly interlinked/intricate data relationships. I engineered and optimised a high-throughput DynamoDB Single Table Design implementation coupled with AWS Neptune
* 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
* Developed numerous FE 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*
UKMT Maths Challenge, Gold award and best in school 7 years in a row	*2015-2021*
British Physics Olympiad, Silver award and best in school without studying Physics	*2022*
British Biology Olympiad, Gold award	*2022*
Bebras Computing Challenge, perfect score both years	*2021, 2022*
Lockheed Martin CyberQuest, first place nationally	*2018*

TECHNICAL SKILLS

Fluent Languages: Typescript, Python, Javascript, HTML/CSS, SQL
Comfortable Languages: Java, OCaml, C++, R
Web Technologies: React, NextJS, tRPC, Recoil, Jest, Storybook, Cypress, FastAPI, Flask, TailwindCSS
General Technologies: Docker, Linux, AWS, Git, Redis, MongoDB, PostgreSQL