

Oliver Fogelin

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EDUCATION

University of Cambridge <i>Bachelor of Arts in Computer Science</i> <ul style="list-style-type: none">Treasurer of the Cambridge University AI SocietyFounding member of the <u>current #1 UK CTF Hacking team (MEOW5)</u>	Cambridge, Cambridgeshire <i>Sep. 2023 – Present</i>
Churcher's College <i>A Levels and GCSEs</i> <ul style="list-style-type: none">Achieved A*A*A*A*A in Mathematics, Further Maths, English Literature, Biology, and AS Computer Science	Petersfield, Hampshire <i>Sep. 2015 – June 2022</i>

EXPERIENCE

Software Engineer Intern <i>ReactWise (YC S24)</i> <ul style="list-style-type: none">Building the BE, FE, and infrastructure for a reaction optimisation software startup backed by Y CombinatorDeployed ML models at scale, focusing on optimising the processing times of Latin Hypercube Sampling and Bayesian Optimisation with Gaussian processes	Aug. 2024 – Present <i>San Francisco</i>
Software Engineer <i>Worldover</i> <ul style="list-style-type: none">Hired as the founding full-stack software engineer at a VC-backed tech startupArchitected the BE, FE, and infrastructure, contributing towards major product decisionsWorked closely on the data model, modelling highly intricate graph data in AWS DynamoDB/Neptune and building cross-stack libraries to manage itSet up and managed our APIGateway, Lambda, Amplify, and CloudFormation infrastructurePatched the AWS CDK to allow for deploying highly nested CloudFormation stacks in local developmentBuilt numerous features for our NextJS/Typescript/Recoil webapp, working with Figma and Tailwind	Nov. 2022 – Sep. 2023 <i>London</i>
Software Engineer <i>Foggle Ltd.</i> <ul style="list-style-type: none">Provide full-stack web and software solutions to clients as a freelance contractorRequires hugely varied skill-sets; one project involved debugging an LED sign's firmware over Wireshark, reverse-engineering it with the only documentation written in MandarinClients include the British Physics Olympiad, AppyWay, NotchNet, and dozens of others, generally involving working with Typescript, Python, React, and AWS Services	June 2019 – Present
Co-Founder and Technical Lead <i>Share A Smile Today</i> <ul style="list-style-type: none">Co-founded a business with a friend during the Covid lockdown allowing small local storefronts to pivot onlineCreated a voucher scanning/issuing system, a customer-facing ecommerce site, and storefront admin pagesBuilt using NextJS, React, Express, Python, FastAPI, Docker, MongoDB, RedisScaled up to working with 15+ local businesses and turning a profit	Oct. 2019 – April 2021

AWARDS

Google Code In , worked with the R Foundation and placed as a Grand Finalist internationally	<i>2019</i>
Oxford University Computing Challenge , top 20 nationally two years running	<i>2020, 2021</i>
Cyber Discovery , won the invite-only Elite CTF finals	<i>2019</i>
Lockheed Martin CodeQuest , led team to first place nationally every year for three years	<i>2018-2021</i>

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