

# Oliver Fogelin

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## EDUCATION

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

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- Software Engineer Intern** Aug. 2024 – Oct. 2024  
*ReactWise (YC S24)* San Francisco
- Built the BE, FE, and infrastructure for a reaction optimisation software startup backed by Y Combinator
  - Over the course of the internship, I took us from zero product to our product being used by Pfizer
  - 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 AWS APIGateway, Lambda, Amplify, and CloudFormation infrastructure
  - 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

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- 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

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- 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