Jake Foster

SOFTWARE ENGINEER - KAINOS

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ABOUT ME

I have a strong passion for computer science and love to keep up to date with the latest developments in the industry. I pride myself in being an active member of the computer science community, continuously trying to engage with a wider audience to create an environment people want to be a part of.

WORK EXPERIENCE

Graduate Software Engineer
Kainos

📅 06/2021 – PRESENT 📍 BIRMINGHAM, UK (FULL TIME)

As a member of the Homes England team, I have been working on an application form for the government's new 'Help to Build' scheme. A 2 tier architecture consisting of a SQL Server database and ASP.NET Application (C#). When not developing new features or fixing bugs, I am writing unit and selenium tests.

Advanced Research Computing Assistant
University of Birmingham

📅 07/2019 – 08/2020 📍 BIRMINGHAM, UK (FULL TIME)

Month 1-6: Created bear-apps.bham.ac.uk, a Django application to automatically update the list of installed applications available on the High Performance Computing (HPC) Cluster. The static information was scraped off the outdated existing website.
Month 7-12: Modified the SaltStack configs to make the HPC Cluster compatible with Centos 8.

Trading Assistant
Sainsbury's

📅 11/2015 – 09/2017 📍 GOLDALMING, UK (PART TIME)

It was my responsibility to keep the shelves stocked, whilst interacting with customers when called upon to ensure they had the best shopping experience possible.

TECH SKILLS

C	C#	Java	Python	Haskell	OCaml	Git	SQL	LaTeX

Markdown	Data Science	Reinforcement Learning	Regex

Lambda Calculus	Networking	Algorithms

SOFT SKILLS

Leadership	Technical Writing	Public Speaking	Mentoring

Problem Solving	Decision Making	Event Management

EDUCATION

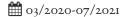**2017-2021** **Bachelor of Science**
FIRST CLASS HONOURS (74%)
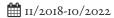Computer Science
University of Birmingham

ACHIEVEMENTS

CSS UoB Treasurer
📅 03/2020-07/2021

As treasurer I was required to manage the finances, book venues, authorise bank transfers and assist with the acquisition of sponsors.

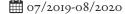### BCS Student Outreach Officer
📅 11/2018-10/2022

As part of the BCS I have led a debate for the annual AGM and have promoted BCS in front of audiences consisting of hundreds of people. My current goal is strengthening the network between the BCS and the 3 Birmingham universities.

Google Hash Code
📅 02/2019 AND 02/2021

Under the name 'Team8472' and we finished 444th in 2019, then 329th in 2021. More than 70,000 students and professionals from around the world registered for Hash Code 2019.

Teaching Assistant
📅 07/2019-08/2020

As part of my Industrial Placement, I aided with the teaching of Bash, Git, Python, Slurm and Nvidia deep learning tools using the HPC Cluster.

CTFs, Hackathons and Game jams
📅 07/2017 - PRESENT

I have taken part in several Hackathons, including HackTheMidlands and AstonHack - both as sponsor and participant. I also enjoy CTFs, finishing 3rd in WTCTF 2019 and 2nd in WTCTF 2021. I placed 2nd in the 2018 game jam, held at UoB.

PERSONAL INTERESTS

Board Games

I often play board games in my free time. I am a competitive player and enjoy theory crafting strategies to create a near optimal set of moves.