

Alex Gulliver

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BSc Computer Science student at the University of Exeter

EDUCATION

University of Exeter | *BSc Computer Science with Year in Industry* 2021 - Present

- Data Structures and Algorithms, Artificial Intelligence and Applications, Computational Mathematics, Network and Computer Security
- Grade Average 2:1

Peter Symonds College 2019 - 2021

- Mathematics, Grade A*
- Further Mathematics, Physics, Grade A

Thornden Secondary School 2014 - 2019

- Ten GCSEs achieved: (9999999988)

WORK EXPERIENCE

Year in Industry | *Frazer-Nash Consultancy* July 2023 - Present

- Working in Digital Systems Assurance team focused on safety-critical systems.
- Reinforcement learning project investigating optimizing hyperparameters with Optuna and presenting findings, using Mesa for agent-based modeling simulation in order to conduct multi-agent reinforcement learning simulations.
- Assisted in the development of a set of event trees to assess accident sequences and quantify risk for complex functional systems. Attended workshops on client site to see how accidents manifested on training facility and real product.

Fast Food Crew Member | *Burger King* June 2022 - November 2022

- Did both front-facing roles taking customer orders as well as working in the kitchen. Developed customer service and communication skills working in a fast paced environment.

Graphics Design Internship | *The Canopy* September 2018

- Work experience to get insight into the graphics design industry. Hands-on practical work with Photoshop and InDesign.

PROJECTS

Streatham Quest 2023

- Group Software Engineering Project to gamify sustainability on the University of Exeter's campus with Django framework.
- Worked in Agile methodologies.
- I was responsible for a wordsearch sustainability game.
- Achieved 67%

Maze Solving Algorithm 2023

- Implemented A*, BFS, DFS for text-file mazes and analysed and compared their performance in Python.
- Achieved 99%

Tetris LAMP Stack Website Project 2022

- Created a playable Tetris game, built on a LAMP Stack and deployed to an Azure VM.
- Created using HTML, CSS, JavaScript, PHP
- Achieved 86%

VOLUNTEERING

Bike Mechanic | *Bristol Bike Project* *2023 - Present*

- Contributing to local community by repairing bicycles for 'Earn-A-Bike' scheme.

Shelter Volunteer | *Julian Trust* *2023 - Present*

- Volunteered during evening shifts at a shelter, helping to cook and serve hot meals.

OTHER

- I enjoy hiking, cycling, watching films and cooking.