

# Joanne Yuqing Lin

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## Profile

Third Year Computer Science student with a passion for Software Engineering. Extremely motivated and willing to try out new and challenging things. Lots of experience in working on individual projects and group projects. Looking for a graduate job in machine learning and software engineering.

## Education

**University of Bristol** BSc (Hons) Computer Science Sep 2020 – Jun 2023

Currently on track and aiming for a First

**Liverpool Blue Coat School** A-Levels Sep 2018 – Jun 2020

A\*A\*AB in Mathematics, Chemistry, Physics and Further Mathematics

## Projects

**BSc Final Project: Deep Learning and Computer Vision for Counting Great Apes in Camera Trap Videos** Jan 2023 – May 2023

- Explored two conceptual approaches to count the number of great apes in camera trap videos: 1) object detection and object tracking and 2) a novel application of deep learning for counting
- Used PyTorch to use a two-stream convolutional neural network for counting great apes

**SkyWrite App** Oct 2021 – May 2022

- Created an Android app in Java as a team of 4 for our client, IBM, that allows users to send/view messages in augmented reality to a given postcode.
- Also created a Spring Boot application for the server to allow users to communicate with one another

**Computer Systems A coursework: Game of Life** Nov 2022 – Dec 2022

- Created a program that simulated Game of Life in concurrent and distributed systems, using multithreading (Golang channels) and RPCs
- Achieved a 70% in this coursework working with a partner

## Work Experience

**Outfield Technologies** – Machine Learning Intern Jul 2023 – Aug 2023

- Will be defining and creating datasets for training and testing deep learning models
- Will be improving current deep learning models to detect orchards using drone imagery
- Will be building dashboards and other visualisation tools

**MAC Clinical Research** – Associate SAS Programmer Intern Jul 2022 – Sep 2022

- Developed SAS programming skills throughout the MAC SAS Academy
- Delivered a presentation about Major Depressive Disorder to the Statistical Programming team by researching the breakthroughs in clinical research regarding Major Depressive Disorder
- Took training to learn about CDISC standards used in the clinical research industry

## Responsibilities

**Computer Science Teaching Assistant** Sep 2021 – Present

- Worked alongside lecturers to assist students during labs, and participated in vivas alongside lecturers as the second marker
- Mentored teams for the Software Engineering projects

**Computer Science Course Representative** Nov 2020 - Present

- Attended regular meetings with the department to discuss feedback from the cohort
- Worked with the department to come up with solutions to problems raised

## Skills

Programming Languages: Python, Golang, Java, C++, C, Javascript, HTML and CSS