

# Joanne Yuqing Lin

BSc Computer Science student at the University of Bristol

## Education

---

<b>University of Bristol</b> BSc (Hons) Computer Science	Sep 2020 – Jun 2023
--	---------------------

Currently achieving and on track for a First

<b>Liverpool Blue Coat School</b> A-Levels	Sep 2013 – Jun 2020
--	---------------------

A\*A\*AB in Mathematics, Chemistry, Physics and Further Mathematics; 10 GCSEs grade 9-7, 2 GCSEs grades A\*-A

## Projects

---

<b>BSc Final Project: Deep Learning for Accurately Counting Great Apes in Camera Trap Videos</b>	Jan 2023 – May 2023
--	---------------------

- Will be using Deep Learning to accurately count the number of great apes appearing in video snippets from camera traps placed in the wild
- Will need to overcome challenges such as overcounting/undercounting due to temporal occlusions, multi-animal configurations and detection inaccuracies

<b>Image Processing and Computer Vision coursework: No-Entry Sign Detector</b>	Nov 2022 – Dec 2022
--	---------------------

- Created a no-entry sign detector that uses image processing methods (e.g. colour segmentation) and classical Computer Vision techniques (e.g. Hough Transforms, Viola-Jones) to detect no-entry signs in images
- The detector had an accuracy of TPR score of 0.82 and a F1-score of 0.70

<b>Brain Tumour MRI Classification</b>	Nov 2022 – Nov 2022
--	---------------------

- Created a neural network that will classify images of 4 different brain tumours using PyTorch
- The neural network classifier had an accuracy of 73.6%

<b>SkyWrite App</b>	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.

## Work Experience

---

<b>MAC Clinical Research</b> – Associate SAS Programmer Intern	Jul 2022 – Sep 2022
--	---------------------

- Developed SAS programming skills throughout the MAC SAS Academy
- Took training to learn about CDISC standards used in the clinical research industry

## Responsibilities

---

<b>Computer Science Society (CSS) Press Officer</b>	May 2022 - Present
---	--------------------

- Design promotional material for CSS events, including social events and technical events like GameJam, ArtHack, BrisHack and talks from tech companies
- Manage social media accounts and the newsletter

<b>Computer Science Teaching Assistant</b>	Sep 2021 – Present
--	--------------------

- Work alongside lecturers to assist students during labs, and assist lecturers in vivas
- Mentor teams for the Software Engineering projects

<b>Computer Science Course Representative</b>	Nov 2020 - Present
---	--------------------

- Attend frequent meetings with the department to discuss feedback from the cohort
- Work with the department to come up with solutions to any problems

## Achievements

---

<b>Bristol PLUS award</b>
---------------------------

- Currently working towards the Bristol PLUS award, the University's Employability award