

# Joanne Lin

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## Profile

Third Year Computer Science student with a passion for Computer Vision and Machine Learning. Extremely motivated and willing to try out new and challenging things. Lots of experience in working on individual projects and group projects. Looking for an internship to develop machine learning skills further in preparation for a postgraduate degree in Machine Learning.

## Education

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

First Year: achieved a 2:1, including 77% in Imperative and Functional Programming and 80% in Object-Oriented Programming

Second Year: achieved a First, including 80% in Data-Driven Computer Science, and 79% in Software Engineering Project

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

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

## Projects

**BSc Project: Deep Learning for Accurately Counting Great Apes in Camera Trap Videos** 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

**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.
- Created a Spring Boot application for the server to allow users to communicate with one another.
- Technologies used: Java 11, Android SDK version 7.0, ARCore, IBM Cloud, Firebase Cloud Messaging, Docker, CircleCI, Git (GitHub), Gradle and Maven

**Santa's Workshop** Dec 2021 – Dec 2021

- Created a Golang program that simulates Santa's Workshop using concurrent and distributed techniques, such as Semaphores and Remote Procedure Calls (RPC).
- Technologies used: Golang and Git (GitHub)

For more projects, please visit: <https://joannelin168.co.uk/projects.html>

## Leadership

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

Attend frequent meetings with the department to discuss feedback from the cohort

**Computer Science Society (CSS) Press Officer** May 2022 - Current

Design promotional material for events and manage newsletter/social media

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

Work alongside lecturers to assist students during labs and provide mentoring for the Software Engineering projects

## Skills

**Languages**: Python, Java, Golang, C++, C#, C, JavaScript, HTML and CSS

**Technologies**: SQL, Git, GitHub, CircleCI, IBM Cloud, Docker, AWS