

# Joanne Lin

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## Education

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**University of Bristol** MEng (Hons) Computer Science September 2020 – June 2024

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

Second Year: currently studying

**Liverpool Blue Coat School** A-Levels September 2018 – June 2020

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

## Work Experience

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**Glow New Media** August 2019

Developed a website using ASP.NET MVC that allowed users to upload and display an image along with the EXIF data of the image, to simulate the work that the company was working on

## Projects

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**Skywrite App** October 2021 – May 2022

- Creating 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.
- Technologies used: Java 11, Android SDK version 7.0, ARCore, Git (GitHub) and Gradle

**Online Whiteboard** September 2021

- Created an online whiteboard website for multiple users to join a room and draw together. Hosted the website using a Flask server and used sockets for live responses between all of the users.
- Technologies used: Python 3.9, Flask framework, sockets, HTML, CSS and JavaScript

**Scotland Yard Project** March 2021 – May 2021

- Programmed as a pair to develop the logic to run a Scotland Yard game. Used design patterns including Visitor Pattern, Iterator Pattern and Observer Pattern to do so. Also created an AI for Mr X that used the Minimax algorithm with alpha-beta pruning and Dijkstra's algorithm.
- Technologies used: Java 11, Google Guava, Git (GitHub) and Maven

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

## Leadership

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**Second Year Computer Science Course Rep**

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

**Functional Programming Teaching Assistant**

Assist first year students who are struggling in the Functional Programming labs

**Women in STEM Society Talks & Careers Rep and Equality Officer**

Arrange talks with leaders in industry for members in the society to attend and ensure all students accepted and supported in the society

**Robogals General Officer**

Working in a global organisation to inspire students to pursue engineering by offering many hands-on workshops, and supporting the committee by assisting with a variety of tasks

## Skills

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

**Technologies:** SQL, Git, GitHub