

# Sophie Kua

A programmer with keen interest in artificial intelligence to improve people's lives.

## CONTACT DETAILS

Address: Luton

Mobile: **07491-680107**

Email: [Sophiekua48@gmail.com](mailto:Sophiekua48@gmail.com)

Website: <https://sophiekua.github.io/>

## EXPERIENCE

### **Speakers for Schools**, London - Remote media assistant - paid freelance work

2nd July 2020 - 21st July 2020

*Speakers for Schools is a charity which organises inspirational speakers and meaningful work experience for school pupils.*

- Uploading video content across 2 different media sharing platforms for the company
- Correctly tag and describe the video content given by other team members
- All tasks completed within the set deadlines
- Improved knowledge of marketing and aesthetics to attract more viewers

### **Workfinder**, London - Work experience

7th August 2019 - 20th August 2019

*Workfinders is a start-up which helps connect young people to businesses who provide jobs / work experience opportunities.*

- Reviewed multiple landing page sites
- Developed a login page and a perceptron to create a basic understanding of neural networks using xcode and swift with a senior developer which improved programming skills
- Reviewed the company's web app and beta tested the app
- Documented the test and results which was reviewed with the other team members

### **Barnardo's**, Luton - 3 months *volunteer shop worker*

August 2017 - November 2017

*Bernardo's is a leading UK NGO supporting vulnerable children*

- Priced items and organised them
- Sorted through the donations for new items which improved decision making and own judgement
- Improved customer service skills and communication with other staff members
- Worked in a team of 3-4 people each shift to manage the store which improved time management and multitasking skills

## SKILLS

- IT skills- proficient in Microsoft Office including Word, Powerpoint and Edexcel
- Good knowledge of coding with Python, Java, HTML and Java-script.
- Working knowledge of coding in C
- Driving licence
- Teamworking
- Excellent written and verbal communication skills
- Highly adaptable/flexible to work situations

## LANGUAGES

English - fluent

Mandarin (spoken) - basic/ learning

## TRAININGS

**Cyber security course** - Royal Holloway University [August /2018]

**A 5 Days Cyber Security and E Safety Course**, London - the Small Piece Trust, Summer 2019

- Further developed knowledge of Cyber Security
- Developed communication skills
- Adapted to new environments
- Team working via a series of challenges and mini-projects

**Orchestra** - *Senior Symphony Orchestra*

**An orchestra run by the senior years at St Albans High School For Girls**

- Improved teamwork through weekly practise sessions and termly performances
- Was a second desk violinist and had to work in pairs to help lead the rest of the section along side the first desk of the

## EDUCATION

### **Royal Holloway University of London, Egham - undergraduate, Bsci Artificial intelligence and Computer Science**

September 2021 - 2024

**Year 1:** Pass with a 1st class

**Modules:** OOP 1&2, Software Design, Internet Services, Machine Fundamentals, Mathematical Structures, Programming Labs

#### **Relevant Courseworks:**

##### Lejos Robotics Group Project

- Worked together in a team of 4 to code a lego mindstorms robot using lejos
- We had to document our process of designing and coding the robot and also an evaluation at the end of the project
- Each of us had to implement behaviours for the different functions we wanted the robot to have and had weekly scrum meetings to check eachothers progress.

##### Software Design Group Project(s)

- Worked in a team of 5 to create a detailed architecture/design description for a file repository system based on the requirements given by the client
- Learned how to construct User Case Stories, User Case Diagrams, UML diagrams and different architectural view diagrams

##### Java Song Selector Project

- Wrote a program which asks the user a series of Yes/No questions until a potential option is reached which then outputs the song suggestion to the user
- Used recursive data structures and external files to store the questions and suggestions

**Year 2:** (ongoing)

**Modules:** Information Security, Software Engineering, Databases, Operating Systems, \*(Intro to Artificial Intelligence, Multi-dimensional data structures, Algorithms and Complexity, Team project )

\*not covered yet

### **St Albans High School For Girls, St Albans - A levels**

September 2019 - 2021

**Computer Science - A\***

**Maths - A**

**Further Maths- C**

**Physics- C**

### **St Albans High School For Girls, St Albans - GCSE**

September 2016 - 2019

**8-6** 10 GCSEs including Maths and English

section

- Improved discipline and fast comprehension skills due to limited time to learn multiple music scores

## AWARDS

**Bronze DofE Award -** Nov 2019

**Karate -** brown-black belt

## PERSONAL INFORMATION

#### **Interests:**

Artificial intelligence, Robotics, Technology, Cyber security, Psychology

#### **Hobbies:**

Piano (Grade 7), Violin(Grade 8), Badminton, Swimming, Cooking, Programming, online gaming, social media

