

Rose Mahtani

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Overall Key Skills

- **Intermediate proficiency in Java and Python** programming through programming in school time and university
- **Understanding of Linux system command-line & administration basics** through independent study and practice of HackTheBox Academy
- **Understanding of Cloud Technologies** through research at Vizzy during technical work experience
- **Understanding of network fundamentals** through time spent in school and university
- **Basic proficiency in SQL & SPSS** through time spent in school and university

- **Public speaking** acquired through Lamda certification and practice during secondary school
- **Effective Communication** as demonstrated in “group project” module at university and team work during technical work experiences
- **Strong team-leader and collaborator** as demonstrated in “group project” module at university
- **Problem-solver mindset** as shown when tackling programming during projects I have worked on

Education

Brunel University of London, Uxbridge

September 2024 – June 2028

- **Year Two Modules:** Software Development and Management, Usability Engineering, Algorithms and their Applications, Networks and Operating Systems
- **Year One Modules (2:1 Overall):** Logic and Computation (A) Information Systems and Organisations (B+), Introductory Programming (C-), Data and information (C)

Wren Academy Sixth Form, Finchley

September 2022 – June 2024

- **A Levels:** Computer Science (C), History (C), Economics (C)

St John’s Senior School, Enfield

September 2017 – June 2022

- **GCSEs:** 8 GCSEs (grades 5-8), including English Lit. (8), Maths (6), and Physics (6)

Technical Work Experience

Research Intern at Vizzy.

July 2025 - July 2025

- 2 weeks experience analysing findings, independent research and working as a team on compliance suppliers, databases, and LLMs / AI Avatars
- Completed research on the compliances of suppliers Vizzy work with / are looking to work with, making use of “google dorking” to collect data and store it on excel spreadsheets
- Learn about the back-end of the platform from both a data side as well as a security standpoint by being walked through the cloud system hosted by the firm as well as understand how their SQL database backend works
- Have exposure to the use of LLMs and AI Avatars for the use of future projects at Vizzy through working as a team on research to create an educational course that makes use of AI Avatars.

Research Intern at Intelligent AI Limited

July 2024 - July 2024

- 2 weeks experience completing independent research and analysis on insurance and satellite image companies
- Completed research work on some of the top insurance companies within the UK making use of “google dorking” and excel spreadsheets to store data
- Completed independent research on Satellite Image Analysis companies who hold operations in the UK and can aid in Intelligent AI's work within the property market

Graphic & Web Designer at The Sacred Space Virtual

July 2024 - July 2024

- A month's experience completing digital design and web-development for the business
- Designed logo and contributed to business card design, making use of the software Procreate
- Created starter site using Squarespace, demonstrating my skills in custom CSS injection

Graphic Designer at Alpha ESG Consulting LTD

July 2023 - July 2023

- 2 weeks experience completing digital design for the firm
- Designed logo, banner, and templates for use, making use of the software Procreate and Microsoft Word

Research Intern / Analyst at Columbia Threadneedle Investments

July 2021 - July 2021

- 2 weeks experience analysing findings and independent research on media platforms
- Research and prepared a presentation on Media Platforms used by Generation-Z, making use of my existing knowledge on social media and Microsoft PowerPoint
- Presenting to the Investment Committee on the strengths and weaknesses of each platform

Technical Projects

SwiftBot Dance Project

- Designed and programmed assigned group project task by for my Programming module.
- Demonstrated my understanding of flow charts for abstraction, Java programming (making use of the university's SwiftBot libraries), and input/output through the use of a QR code scanner .
- Task converts hex value into a series of other values to calculate the speed of completion, colours to be displayed, and appropriate moves to be completed.

Net Silence Game

- Designed and programmed the game “Net Silence” for my A Level computer science project,
- Made use of Python 3 (including Pygame Library) to program game, and graphic design in procreate design each asset used independently

Voluntary Work

Managing library at lunch at All Saints C of E Primary School June

June 2022 – June 2022

- Managing the school library during lunch time on set days, keeping a note of all students in the library at one time, as well as books taken out / returned during period
- Demonstrates organisation & administrative skills as well as ensuring peace and decorum in the library

Courses / Certifications

Lamda Level 2 Award in Communication (Nov 2020): received distinction in speeches performed on Virtual Assistants & the history of EDM Music.

Brighthr Certifications:

- Cyber Security Best Practices

- Equality, Diversity & Inclusion Awareness
- Mental Health Awareness
- Neurodiversity
- Time Management
- Understanding GDPR
- Effective Communication

Interests

Photography: I have a passion for photography, specialising in abstract & liminal photography. I am apart of the Brunel University Photography Society where we go on photography walks and visit museums.

Music / Music Production: I have a passion for playing the guitar and keys and create my own demos using Logic Pro & FL studio. I am also apart of the Brunel University DJ and Music Production Society.