10 Pippins Court
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# Zak Mansuri

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Currently enrolled in one of the highest ranked computer science programs in the country (graduate 2025). Equipped with industry experience in machine learning and full-stack development. I have studied both mathematics and computer science at university where my academic achievements have been consistently outstanding. To learn more about my background and experience please visit my website zakmansuri.com.

## EDUCATION

### BSc Computer Science, University of Bristol
Sept 2022 – Aug 2025
- **Expected Degree Classification:** First Class
- Appointed as a teaching assistant by the Computer Science department at the university. I was chosen for my outstanding grades in first year and ability to explain challenging concepts.

### BSc Mathematics, University of Edinburgh
Sept 2019 – Aug 2021
- **Achieved:** DipHE     **Exam Grades include –** APPS: 83%  SVCDE: 84%  Logic 1: 100%

### Merchant Taylors' School - Crosby
Sept 2012 – Aug 2019
- **A-level:** Mathematics (**A***), Further Mathematics (**A***), Biology (**A***)

## EXPERIENCE

### IBM | Bristol
#### Year in Industry - Software Development
Sept 2023 – Present
- Developing **Augmented Reality** enhanced mobile application for **IBM's** Galasa documentation, using **Swift** and **Reality Composer** to generate augmented diagrams to facilitate learning.
- Integrating **AI Assistant** to provide real-time answers to user queries, personalising user experience.

### Gorilla Games (CRG) – Start-up | London
#### Internship - Software development
July 2023 – Aug 2023
- In a small team utilized **Python** to develop and implement **backend logic** for Gorilla Games' online gaming platform, resulting in the successful delivery of cutting-edge software to customers in **2 countries**.
- Maintained robust **SQL database**, effectively managing user profiles, game progress, and in-game transactions, ensuring data integrity. My contributions added to the platform's scalability, responsiveness, and overall performance.

### Data Template | Bangalore
#### Internship – Machine Learning and Deep Learning
Aug 2022 – Sept 2022
- Employed **Python** within an **AI** and **Machine Learning** team to train computer systems to perform real-time monitoring of runways at BLR airport, enhancing debris detection capabilities.
- Gained valuable experience by shadowing an engineer in the development of speech recognition software leveraging **deep learning** techniques.

## PROJECTS

### Game Development – Scotland Yard
Jan 2023 – April 2023
- Developed digital version of the board game Scotland Yard on **IntelliJ** using **Java.**
- Designed an AI Bot to play. I implemented methods such as **minimax** and **alpha beta pruning** to optimise the bot's performance.

### Utopian World Simulation – Hackathon
Feb 2023
- Employed **C#** and **Blender** to develop a utopian world simulation that emulated real-world environments.
- The simulation also **dynamically** adjusted to varying political ideologies and societal elements.

### Personal Website
Nov 2022 – Jan 2023
- Using self-taught skills, I created a personal website using, **HTML/CSS** and **JavaScript** - zakmansuri.com

## SKILLS

**Technical:** GO | Java | ReactJS | Python | C | C# | Swift | Haskell | SQL

### Social Media – Artificial Intelligence
- Create and share videos on social media discussing both technical and philosophical aspects of artificial intelligence. I have acquired **thousands** of viewers demonstrating my ability to communicate complex concepts effectively.
- Successfully monetize my online presence by obtaining sponsorships, generating **hundreds** of pounds of revenue.

### Achievements
- Won the Davies Prize for Mathematics (Best mathematician of **160 cohort**)
- Lead team for G20 Summit at **Harvard University** to develop, negotiate and present policy proposals to **audience of 2000**
- Hockey (North England), Cricket (Lancashire Schools)