

# Samuel Maine

+44 07491681951 | [sammy.maine1@gmail.com](mailto:sammy.maine1@gmail.com) | [My Portfolio](#)




 [Sam Maine](#) |  [Main3typ3](#)

South West London


## EDUCATION

- **University of Nottingham** September 2023 - July Year 2027  
*Computer Science With Year in Industry* Nottingham, England
  - Year 1 Achieved Overall First | Average percentage: 73.17
- **Ark BolingBroke Academy Sixthform** September 2021 - June 2023  
*A - levels* London, England
  - Computer Science, Maths, Physics | AAB
  - Computer Science Award of the Year 2023

## EXPERIENCE

- **Kapaix ** September 2021 - September 2021  
*Work Experience* London, England
  - Researched the stock market and the new power modern technology has on the market
  - Shadowed Both the Start-up Founders, with both being industry experts in their field learning the ins and out of the electrical energy markets and analysing large amounts of data
  - Operated a Presentation after being educated on how Large Live data can predict future markets and allow for massive financial gain
- **Sticker Business ** September 2021 - June 2022  
*Head of company under the Young Enterprise foundation* London
  - Researched the market around Merchandise and discovered Stickers being the highest ROI
  - Created a company to fill a gap in the local market
  - Implemented use of social media to attempt marketing online
  - Made our first Sales leaving us with a overall profit shortly before liquidating
- **Mathsnasium Maths Tutoring ** March 2022 - February 2023  
*Maths Tutor* London
  - Worked Under high pressure to provide tutoring and help to multiple children aged between 4 and 16 with ranging abilities within mathematics
  - Trained on best practises for learning and providing high level and efficient information for any age to process
  - Learnt how to effectively work as a Team and balance out between 40 and 60 kids between a small team of staff with constant rotating students

## PROJECTS

- **AI Linear Regression model :** February 2024 - April 2024  
*Tools: [ Python | Anaconda | Jupiter NoteBook | pandas | GIT ]* 
  - Created a linear Regression model on a large data set of movie Ratings compared to the Views Gained, Budget spent and Income Generated using python and Jupiter Notebook
  - Used several techniques(with one being box plots ) to eliminate redundant data
  - Then scaled the data to allow for a visual graph to be created
  - We then trained my regression model and displayed the data to determine a trend
  - Finally I made a second Model being an artificial neural network for Regression due to the data i was working with being continuous which gave me much more accurate results

- **My Portfolio Website: [ Contains in depth personal projects ]**

June 2024 - Permanently On going

Tools: [HTML | Java Script | CSS | Git Pages / Git ]



- Developed In HTML and using CSS to design the page
- I've got a long list of projects which is forever growing and expanding
- Each project has some written detail on the creation as-well as some having video support on how they function and the journey along side the project with all being on my Git Hub
- You can also find out more about myself as well as get in contact and ask any questions

- **NeuroLight : [Contracted by University of Nottingham]**

September 2024 - June 2025

Tools: [TBD | HTML | CSS | JavaScript]



- Project Manager for Team
- Project consist of a brain scanner and a physical plastic brain which indicates which part of the brain a user is currently operating while doing different tasks as well as a Website with a 3D model simulating this online as-well
- Project is currently in early stages of development

- **Job Application GUI :**

September 2024 - June 2025

Tools: [ Python | SQL ]



- Developed a GUI For My application using Tkinter in Python
- Created a database using SQLite to comply with my GUI
- Allowing Users to create accounts and login aswell as list their own portfolio and request other users for jobs and a detailed rating system

- **Revseri Game With AI bot :**

February 2024 - April 2024

Tools: [ Java | Eclipse | GIT ]



- Developed a fully functioning Reversi Game with GUI in Java using Eclipse
- Developed a Built in AI bot which always plays the perfect move

## SKILLS

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- **Programming Languages:** Java, C, Python, Haskell, HTML | CSS | JS , NAND 2 Tetris , SQL
- **Database Systems:** Relational Data-Based Management System
- **Data Science & Machine Learning:** Python, Pandas, Matplot, ANN
- **DevOps & Version Control:** GitLabs, GitHub

## ADDITIONAL INFORMATION

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**Languages:** English(Fluent), German ( Fluent)

**Interests:** Skiing, Muay Thai, Gym