

# FRAN MOWAT

Email: [franmowat33@gmail.com](mailto:franmowat33@gmail.com)

Site: [fran-mowat.github.io/personal-site/](https://fran-mowat.github.io/personal-site/) | GitHub: [github.com/fran-mowat](https://github.com/fran-mowat)

## EDUCATION

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### University of Westminster

(September 2023 - )

#### BSc Computer Science

**Roles and societies:** AWS DeepRacer Team - pre-qualified for AWS AI & ML scholarship, Google Developer Student Club, Computer Science Course Representative

### Putney High School

(September 2016 - July 2023)

**A-Levels:** Computer Science, Mathematics, Physics

**GCSEs:** 10 A\*s - Biology, Chemistry, Computer Science, English Language, English Literature, Geography, Mathematics, Physical Education, Physics, Spanish

Awarded Academic Scholarship for 6<sup>th</sup> Form, awarded Computer Science graduation prize

**Roles and societies:** Software Engineer in Robotics Club, Rowing Team, Netball Team

### Putney High Junior School

(September 2009 - July 2016)

## NOTABLE ACTIVITIES

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### Codecademy Java Course

(December 2023)

### IBM Introduction to Cloud Computing Course

(September 2023)

Learnt about topics including cloud deployment methods, cloud service models, cloud infrastructure, and CDNs

### Costa Coffee Barista

(August 2023 - September 2023)

### The Odin Project Foundation Path

(August 2023)

A comprehensive course covering front-end development and version control using Git

### Codecademy Python 3 Course

### Codecademy Interactive JavaScript Websites Course

(August 2023)

Developed JavaScript skills such as leveraging DOM events to add interactivity and templating using the Handlebars library

### Codecademy Learn JavaScript Course

(August 2023)

### Duke of Edinburgh Gold Award

(November 2021 - May 2023)

Volunteered at a local library, completed a British Sign Language course, completed two expeditions in the Brecon Beacons

### Google Digital Marketing Course

(June 2022)

### CyberFirst Advanced

(August 2022)

NCSC-run cybersecurity residential course covering a broad range of information within lectures, practical labs, and a *Capture The Flag* challenge

**InvestIN Young Computer Scientist Programme** (July 2022)  
Software engineering course, including opportunities to speak with a range of professionals across different fields such as data science and back-end engineering.

**InvestIN Future Computer Scientist Programme** (November 2020)

**CyberFirst Defenders** (August 2020)

**Marks and Spencer Internship** (July 2019)  
Spent a day with the Marks and Spencer Data Insights and Analytics team where I attended meetings and assisted with a project looking to improve the ease of access for data about specific *Clothing and Home* products

**Netball Umpire** (September 2015 - July 2018)  
*Rocks Lane Sports Centre*  
Worked in a fast-paced environment umpiring netball matches; working with children to ensure both their safety and entertainment

## PROJECTS (where applicable, headings are hyperlinked)

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**Personal Website** | HTML, CSS, JavaScript (January 2024)  
Built a responsive website in order to display my ongoing projects and experiences

**Tic-Tac-Toe Game** | HTML, CSS, JavaScript (December 2023)  
Developed the classic game of tic-tac-toe, including the functionality for both a one-player and two-player version

**Colour Picker Tool** | HTML, CSS, JavaScript (November 2023)  
Developed a tool which allows users to find the hex and RGB values of different colours selected on a colour spectrum

**Calculator** | HTML, CSS, JavaScript (August 2023)  
Designed a calculator which has the ability to perform basic mathematical operations upon entered values

**Etch-a-Sketch** | HTML, CSS, JavaScript (August 2023)  
Built a whiteboard-based tool which looks to emulate the functionality of the 1960s drawing device; the etch-a-sketch

**Music Suggestion Tool** | Python (Flask), HTML, CSS, JavaScript (May 2023)  
Development of a website which provides users with tools to aid them with the discovery of music. One uses a recommender engine developed using Python to interact with the Spotify API to generate a list of recommended tracks based on an inputted playlist.

A more comprehensive list of projects can be found at [github.com/fran-mowat](https://github.com/fran-mowat).

## TECHNICAL SKILLS

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**Languages:** HTML, CSS, JavaScript, Python, Java, SQL  
**Dev Tools:** Git, Visual Studio, IDLE, Thonny, GitHub, Replit

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Interests include: Cybersecurity, Machine Learning, Software Engineering, Robotics, Cloud Computing  
**Reference available upon request**