

# FRAN MOWAT

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## 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

(August 2023)

### Codecademy Interactive JavaScript Websites Course

(July 2023)

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

### Codecademy Learn JavaScript Course

(July 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

### 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.

<b>Google Digital Marketing Course</b>	<i>(June 2022)</i>
<b>Digital Skills: Web Analytics Course with Accenture</b>	<i>(May 2022)</i>
<b>InvestIN Future Computer Scientist Programme</b>	<i>(November 2020)</i>
<b>CyberFirst Defenders</b>	<i>(August 2020)</i>

### **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)*

### **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**

**Languages:** HTML, CSS, JavaScript, Python, Java, SQL

**Dev Tools:** Git, Visual Studio, IDLE, Thonny, GitHub, Replit

Interests include: Cybersecurity, Machine Learning, Software Engineering, Robotics, Cloud Computing

**Reference available upon request**