

Roman Pretty

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<https://romanpretty.com>

Aspiring Software Engineer in penultimate year of Computer Science MSci at Queen Mary University of London. Interested in Software Development, Artificial Intelligence, and Machine Learning.

EDUCATION

Queen Mary University of London

September 2022 - June 2026

MSci (Hons) Computer Science

- **Predicted 1st Class Degree, with 87.9% achieved in 1st and 2nd year**
- *Relevant modules:* Software Engineering, Web Programming, Object-Oriented Programming, Algorithms and Data Structures, Neural Networks, Big Data Processing

Wymondham College

September 2019 – June 2021

A Levels: A*A*A with an A* in Computer Science

WORK EXPERIENCE

Queen Mary University of London

September 2022 - Current

Demonstrator Teaching Assistant

- Influenced the learning and development of Computer Science for over 1,200 degree apprenticeship and university students
- Was approachable and polite when explaining complex topics, guiding students' understanding whilst ensuring they did not feel patronised
- Lectured a presentation on creating and deploying a website using the GitHub student developer pack in the People's Palace Great Hall Lecture Theatre
- Excellence recognized through a nomination for Demonstrator of the Year in 2024
- Demonstrated Modules: Procedural Programming, Object-Oriented Programming, Fundamentals of Web Technology, Logic and Discrete Structures and Automata and Formal Languages

MCS Projects Ltd

June 2024 – August 2024

STEM Challenge Day Activity Leader

- Delivered activity sessions on topics such as Robotics Programming and E-FIT Forensics to Secondary School students at a range of locations including Oxford University, Birmingham University, and schools across London
- Managed hour-long sessions, ensuring they stayed on schedule without overrunning or underrunning

Tsunami Martial Arts

September 2017 – September 2019

Martial Arts Instructor

- Led Martial Arts classes for diverse age groups, ranging from young children (age 4) to adults
- Supervised a team of assistant instructors, directing them to provide each student with personalized attention and effective instruction

PROJECTS

React Web Application

[GitHub - Roman-Pretty/TourCast](#)

- Lead a team of 5 fellow students in the development of a weather app utilizing the RESTful OpenWeatherAPI
- Languages and Frameworks: React, CSS, JS

Java Game Modifications

[GitHub - ElenaiDev/ElenaiDodge2.0](#)

- Developed a Java based modification for the video game Minecraft, incorporating Client and Server side functionality, Server Packets and a basic API for others to build upon
- Responded to a large userbase ([17M+ Downloads](#)) and incorporated others' pull requests on GitHub
- Gained experience navigating and enhancing a large pre-existing codebase, following consistent style and programming decisions
- Languages and Frameworks: Java, Gradle, JSON

Portfolio Website

[GitHub - Roman-Pretty/portfolio](#)

- A website built using the daisyUI tailwind CSS component library and deployed using GitHub pages
- Languages and Frameworks: React, Tailwind, daisyUI, JS

SKILLS

Technical Skills

- *Programming Languages:* Proficient in Java, Python, HTML, CSS, JavaScript, PHP
- *Frameworks and Tools:* Experienced with ReactJS, React Native, Tailwind CSS, Gradle, Maven
- *Software Development:* Strong skills in UML, OOP, Web Development and RESTful API integration
- *Version Control:* Adept use of GitHub for collaboration, pull requests, and managing large codebases

Soft Skills

- *Leadership:* Led teams on successful projects and collaborated with colleagues in different roles and work environments
- *Instruction and Mentoring:* Experience as a teaching assistant, explaining complex concepts and assisting students
- *Communication:* Delivered technical talks and presentations both to large audiences and individual students and colleagues
- *Positivity:* When communicating with users of released projects created a friendly and professional rapport

INTERESTS AND ACHIEVEMENTS

- Awarded Grade 8 distinction in the LAMDA performance exams • Computer Science Student Representative at Wymondham College • Over 10 Years Experience in Classical Guitar • 1st Dan Black Belt in Shotokan Karate