

# Harry Jarvis

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## Summary

MSc Computer Science student at Manchester Metropolitan University, with a First-Class Economics degree and hands-on experience building full-stack applications in Java and React. My background in econometric analysis and statistical modelling complements my technical skills, making me well-suited to both software and data-focused roles. Eager to apply and develop these skills in an industrial placement environment.

## Technical Skills

**Languages:** Java, JavaScript, C#, SQL, STATA

**Frontend:** React, HTML, CSS

**Backend:** REST APIs, MVC Architecture

**Databases:** Oracle SQL, MySQL

**Cloud:** AWS (Elastic Beanstalk, RDS)

**Tools & Technologies:** Git, Linux

## Projects

### Film Database Full Stack Application (2026)

Java, React, JavaScript, REST APIs, MVC, MySQL, AWS

- Developed a full-stack film database application with CRUD functionality using Java, React and RESTful API architecture
- Implemented dynamic film search, data retrieval and frontend state management using Fetch API
- Applied MVC principles to separate frontend, backend and data handling logic
- Deployed the application using AWS Elastic Beanstalk with a MySQL database hosted on AWS RDS

### Retro Desktop Portfolio (2025)

React, JavaScript, Vite, CSS | [Live Demo](#)

- Developed an interactive Windows 95-inspired portfolio interface using React and Vite
- Implemented dynamic UI components including a functional clock, calendar and animated start menu with custom retro desktop styling
- Designed responsive desktop-style UI components and deployed using Netlify and GitHub

### Remote Stock Control System (2025)

Java, Object-Oriented Programming

- Designed and implemented a remote stock control system for PC components using Java and object-oriented programming principles
- Developed modular classes and inventory management functionality to support stock tracking and manipulation
- Applied encapsulation, inheritance and abstraction to structure application logic

### GPS Waypoint Management System (2026)

C#, Arrays, Linked Lists, Algorithms

- Developed a waypoint and route management system in C# using arrays and linked lists to store and manipulate GPS data
- Implemented insertion, deletion and traversal operations for dynamically managed route structures
- Applied data structures and algorithmic principles to optimise waypoint handling functionality

## Education

### MSc Computer Science

Manchester Metropolitan University | Sept 2025 – *Present*

- Advanced Object-Oriented Programming (87%)
- Information Systems & Databases (70%)
- Algorithms & Data Structures
- Cloud & Enterprise Development

### BSc Economics (First-Class Honours)

Manchester Metropolitan University | Sept 2021 – July 2024

- Conducted large-scale econometric and statistical analysis using STATA and R, including regression modelling, time-series analysis and data visualisation
- Completed a final-year research project analysing relationships between human development, democracy and international football performance across 149 countries

## Experience

### Security Officer (Part-Time)

The Bridgewater Hall & Showsec | Manchester | 2021 – *Present*

- Delivered front-of-house and event security, enforcing safety protocols while maintaining high venue standards and positive public engagement
- Undertook team lead responsibilities, assessing risk and coordinating security operations during large-scale events
- Supported high-profile events including royal visits, maintaining professionalism, vigilance and attention to detail