

# Joseph Cauvy-Foster

Wimbledon, London [josephcf166@gmail.com](mailto:josephcf166@gmail.com) +44 7938 560 707 [GitHub Portfolio](#)

Recent Computer Science graduate (obtained a First).  
Looking to start a career in Software Development.

Knowledge of Python, Git, Swift, Jupyter, HTML, CSS, LaTeX, Kotlin, and Docker.  
Particularly interested in AI/ML, data visualisation, UX and app development.

## TOP SOFTWARE PROJECTS

[Link to GitHub portfolio](#)

### AI-based drawing-to-HTML code

Developed an innovative web platform that integrates a custom AI model to transform user-uploaded drawings into HTML code.

### Parkour mapping with a pathfinding algorithm

Created a community-driven iOS app designed for parkour enthusiasts to discover & review parkour spots in Bristol. Included a pathfinder algorithm to suggest optimal selection of routes. I was offered a grant from UWE to continue the project.

### Hand segmentation

Implemented a hand segmentation system capable of real-time motion. Utilised deep learning models to identify hands and track their movement.

### Cinema ticket booking website

Designed and developed a user-friendly booking system involving SQL databases and Flask frameworks with a clean UX design.

### Football statistics web-based dashboard

Created a dynamic dashboard presenting football statistics, leveraging data visualisation techniques to offer users insightful analysis.

## SKILLS

**Hard worker and fast learner:** Rapidly acquired computer science skills, transitioning from zero coding experience before university to excelling and achieving a first class degree.

**Problem-solver:** Developed from solving diverse problems at multiple part-time jobs, personal projects, gaming and challenging university projects.

**Written & verbal communication:** Developed through multiple part-time jobs, 10+ years in team sports and collaborative university projects.

**Teamwork:** Developed through multiple part-time jobs, 10+ years in team sports and collaborative university projects.

**Resilience:** Developed through maintaining high performance and optimism in project challenges during university projects.

## EDUCATION

### 2021 - 2024 BSc, Computer Science

#### First Class

University of the West of England (UWE), Bristol

#### Third-year best marks

- Advanced Artificial Intelligence (89%)
- Security Data Analytics and Visualisation (80%)
- Distributed & Enterprise Software Dev. (74%)

#### Second-year best marks

- Advanced Algorithms (83%)
- Machine Learning (80%)
- Artificial Intelligence II (77%)
- Advanced Software Development (74%)

#### First-year best marks

- Principles of Programming (93%)
- Artificial Intelligence (87%)
- Web Development and Databases (81%)
- Foundations of Computing (79%)

*Named on the Dean's list for outstanding performance across all modules*

### 2019 - 2021 A-Levels

#### Matthew Arnold School, Oxford

Mathematics (A), Chemistry (A), Physics (C)

## INTERESTS

- **Sports:** Football, volleyball, gym and badminton.
- **Concerts and festivals:** Recently saw Arctic Monkeys, Gorillaz, The Black Keys, DPR, Lola Young, Olivia Rodrigo, Knucks, Willie J. Healey & Thundercat.
- **Travels:** Visited Marrakesh, Napoli, Berlin, Paris, Marseille, Lisbon, Athens, Shanghai and Seoul.

## WORK EXPERIENCE

Various Front of House jobs at bars, pubs and retail stores in Bristol during my studies.

Just finished a 12-month sabbatical working full-time in The White Lion pub in Bristol.

Currently bartending in a pub on the Strand in London.