Joseph Cauvy-Foster

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Software Development 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**

SOFTWARE PROJECTS

ParkourSpotter
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.

2D image to 3D render website
Developed an innovative web platform that integrates a custom AI model to transform user-uploaded 2D images into 3D renders.

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

Cinema & hotel booking website
Designed and developed a user-friendly cinema & hotel 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 in my first year for outstanding performance across all modules

**2019 - 2021 A-Levels
Matthew Arnold School, Oxford**
Mathematics (A), Chemistry (A), Physics (C)

INTERESTS

- **Football**: played more than 200 league and cup matches for my local team in Oxford from 5 to 17yo.
- **Other sports**: ski, volleyball, gym and badminton.
- **Concerts and festivals**: recently saw Arctic Monkeys, Gorillaz, The Black Keys, DPR, Lola Young, Olivia Rodrigo, Knucks & Thundercat.
- **Travels**: visited Morocco, Sicily, 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.