

Bradley Joe

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PROFILE

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Computer Science with AI student at the University of York (MEng Hons) with a strong foundation in software engineering, algorithms, and full-stack development. Experienced in building multi-platform applications (web, mobile, games) using Python, Java, JavaScript, and C#. Proven track record of scaling user engagement to over 5,500 players and leveraging generative AI workflows to optimize design and development. Seeking a software engineering internship or placement year.

EDUCATION

University of York

MEng (Hons) Computer Science (with a Year in Industry)

Sept 2025 -- Expected Aug 2030

York, UK

Relevant Coursework: Object-Oriented Programming, Algorithms & Data Structures, Software Engineering, Databases, Foundations of Artificial Intelligence.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, SQL, C#, C, Lua

Frameworks: React, Flask, Django, HTML5/CSS3

Tools & Engines: Git, GitHub, VS Code, SQLite, Unity, Godot, Roblox Studio, Blender (Basic)

PROJECTS

The Enigma -- Roblox Game

Independent Game Developer

Lua

2024 -- 2025

- Designed and developed a multiplayer online game using Lua, implementing custom client-server replication, physics, and gameplay mechanics.
- Scripted 90%+ of the codebase, optimizing replication and network payload size to ensure low-latency performance.
- Scaled player acquisition to 5,500+ total visits and sustained 1,000+ monthly active users (MAUs).
- Awarded the Roblox "Bombastic Crown of O's" for achieving critical developer milestones.

CS50 Casino -- Web Application

Full-Stack Developer

Python, Flask, SQL, JS, HTML/CSS

2024

- Architected and built a full-stack web application simulating a casino platform, integrating blackjack, slots, and video poker.
- Designed and implemented a relational SQLite database schema to persist user balances, game histories, and session states.
- Engineered a secure authentication system featuring password hashing (werkzeug) and session management.
- Developed a responsive UI with HTML5/CSS3 and native JavaScript, maximizing visual feedback and transitions.

Unity Mobile Game

Solo Game Developer

Unity, C#, Google Play Store

2023

- Developed and published a 3D endless runner mobile game on the Google Play Store, managing the full product lifecycle from concept to deployment.
- Designed object pooling systems for obstacle spawning and procedurally generated paths to optimize frame rates and CPU performance.
- Programmed modular movement physics, touch controls, and high-score persistence mechanisms using C# in Unity.

Godot Game

Solo Game Developer

Godot Engine, GDScript

2023

- Designed and developed an independent 2D platformer game utilizing the Godot Engine, writing custom GDScript for core game state machines.
- Implemented event-driven physics, custom collision handling, and modular UI elements to achieve smooth game loop performance.

EXPERIENCE

Bradford Community Alliance CIC

Multimedia Designer / Facilitator

Feb 2026 -- Present

Bradford, UK (Remote/Hybrid)

- Leveraged generative AI tools (Claude, ChatGPT, Veo, Sora, Seedance, Kling, Nano Banana, Artlist, CapCut) to design and produce high-impact educational and promotional videos.
- Facilitated transport training projects, collaborating with municipal partners to increase employment accessibility for youth.
- Authored and structured project documentation, ensuring clean information hierarchy and accessibility across diverse stakeholder groups.

Laser Clinics UK

Receptionist / Operations Support

Apr 2023 -- Present

Southampton, UK

- Streamlined daily clinic operations, managing scheduling, inventory tracking, and client relations in a high-throughput clinical environment.
- Resolved customer escalations and coordinated therapist shifts, ensuring 100% operational uptime and client satisfaction.
- Produced digital promotional materials and marketing assets to support local brand growth campaigns.

Uber Eats

Delivery Rider

Jan 2026 -- Present

York, UK

- Executed time-critical logistics and delivery operations independently, demonstrating strong time-management, route optimization, and self-direction.
- Maintained a high customer rating through active communication and rapid problem-solving under tight deadlines.

CERTIFICATIONS

Harvard CS50x • Foundational C# with Microsoft • freeCodeCamp (Responsive Web Design, JS Algorithms & Data Structures, Front End Development Libraries, Data Visualization) • **Kaggle Python.**

ADDITIONAL INFORMATION

Right to Work: Full Right to Work in the UK (Irish Passport – no sponsorship required)

Extracurriculars: University of York American Football Club

Athletics: Former Hampshire County Badminton Player