

# JOSHUA OSEI-TUTU

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## PROFESSIONAL SUMMARY

I am a motivated Computer Science and Artificial Intelligence student with a solid foundation in programming, web development, and Data structures and algorithms. I am proficient in Python, Java, C++ and C# with hands-on experience on AI tools and software. Proven track record of technical problem-solving and operational excellence in high-pressure environments. Seeking an entry-level role, internship or job to apply technical expertise to real-world software and AI challenges.

## EDUCATION

BSc Computer Science with Artificial Intelligence | Birmingham City University | 2025 – Present

- Relevant Modules: Artificial Intelligence, Data Structures and Algorithms, Computer Systems, Innovation Project, Computer Programming and Web Development.

Access to Higher Education Diploma (Computing) | Birmingham Metropolitan College | June 2024

- Achievement: 45 Graded Credits at Level 3
- Key Modules: Programming Systems & Analysis, Games Programming, Cyber Security, Event Driven Programming
- Grades: Distinction in Cyber Security; Merits in Server Scripting and Website Design

## TECHNICAL SKILLS

- Programming Languages: Python, Java, C++, SQL, R.
- Web Development: HTML5, CSS3, JavaScript, Client-Side & Server-Side Scripting
- Tools & Software: Git, GitHub, Visual Studio, Unity, Replit, Microsoft Office Suite, Tinkercad, Arduino, Spyder, Figma, Google Colab.
- Core Competencies: Data Structures & Algorithms, Computer Systems, Risk Assessment, Computer Programming.

## TECHNICAL PROJECTS

**Hospital Management System | Python, OOP, GitHub | Jan 2026**

- Developed a console-based hospital management system to simulate real-world administration of patients, doctors, and staff as part of my Year 1 BSc Computer Science & Artificial Intelligence studies.
- Implemented modular object-oriented classes for patients, doctors, and administrators, ensuring clean separation of responsibilities and maintainable code structure.
- Documented the full development lifecycle in a public GitHub repository, demonstrating version control, structured project organisation, and professional documentation practices.

#### **Genetic Research Website | HTML, CSS, JavaScript, GitHub | Jan 2026**

- Designed and built a multi-page educational website focused on genetics and biotechnology to present complex scientific concepts in a clear and accessible way.
- Implemented structured navigation, responsive layouts, and visual content to enhance usability and user experience.
- Published the project to GitHub with full documentation, showcasing front-end development skills and effective project presentation.

(PS: More information on my GitHub)

#### **PROFESSIONAL EXPERIENCE**

Birmingham Airport | Security Officer | April 2024 – Present

- Operate advanced Hi-Scan 6040 CTix X-ray systems to detect prohibited items, processing 5000-30000 items per shift with the whole team
- Identify potential IED/IID threats based on Explosive Detection System (EDS) alarms
- Collaborate with law enforcement for incident resolution, managing 3–4 responses weekly

Applied rigorous safety protocols and risk assessment methodologies, a mindset I am now transitioning into AI Alignment and Safety research.

NCR | Assembling Operative | March 2023 – August 2023

- Reduced setup time by 30% through efficient assembly and software installation of self-checkout systems
- Performed technical wiring and software installations for 10–15 machines daily
- Conducted routine maintenance and replaced defective components to ensure system reliability

Argos RFC / ASOS | Warehouse Operative | January 2021 – August 2024

- Managed logistics and transport coordination for 15–20 shipments per day
- Generated accurate shipping documentation and tracked 50–80 orders daily

#### **ADDITIONAL INFORMATION**

- Eligibility: Fully eligible to work in the UK
- Languages: English (Functional Skills Level 2)