

Isaac Adjei

✉ contact@zaccess.com · 🌐 isaacadjei.me · [in linkedin.com/in/isaacadjei](https://www.linkedin.com/in/isaacadjei) · github.com/zaccess

PROFILE

I am Isaac Adjei (preferred: Zac), an Electronic Engineering & Computer Science student at Aston University (Predicted First Class), with a resilient, solutions-focused mindset. Living with partial sight since childhood has strengthened my determination, and I am inspired by my late father's engineering legacy. I have hands-on experience in embedded systems, PCB design, full-stack web development and AI/ML, delivering real-world projects from hardware-level circuit design to deployed web applications. Seeking internships, placements or part-time roles in engineering and technology.

EDUCATION

Aston University, Birmingham, United Kingdom <i>BEng (Hons), Electronic Engineering and Computer Science · Predicted: First Class</i>	Oct 2024 - Jul 2028
Stanmore College, London, United Kingdom <i>Pearson BTEC Level 3 National Extended Diploma in Engineering · D*DD (Distinction*, Distinction, Distinction)</i>	Sep 2022 - Jul 2024
Adisadel College, Cape Coast, Ghana <i>West African Senior School Certificate (WASSCE), General Arts</i>	Sep 2019 - Mar 2022

EXPERIENCE

Student Representative <i>Aston Students' Union · Birmingham, UK</i> <ul style="list-style-type: none">- Represent student views and concerns to academic staff and university management- Facilitate communication between the student body and the department to improve the course experience	Oct 2024 - Present
Smart Mobility & Digital Tech (Virtual Work Experience) <i>Yunex Traffic via Springpod · Remote (Virtual)</i> <ul style="list-style-type: none">- Explored how intelligent transport systems and digital technology improve air quality and urban efficiency- Studied traffic lights design, sensor integration and data-driven transport management in smart cities	Aug 2025 - Aug 2025
Consular & Administrative Intern <i>Ghana High Commission · London, UK</i> <ul style="list-style-type: none">- Supported passport and visa processing, document verification and client enquiries in the Consular Department- Assisted the Administration Section with estates management, document handling and facilities coordination	Mar 2024 - Aug 2024
Junior Apprentice HVAC Technician <i>Massive Refrigeration Services · Accra, Ghana</i> <ul style="list-style-type: none">- Assisted in air conditioner servicing, installations and maintenance for over 50 units- Used hand tools, drills and diagnostic meters under supervision	Jul 2019 - Jul 2021

PROJECTS

4x4x4 NeoPixel LED Cube <i>Arduino · C++ · WS2812B · Electronics · 3D Design · github.com/zaccess/neopixel-led-cube-project</i> <ul style="list-style-type: none">- Non-blocking state machine architecture using millis()- Debounced button inputs with buzzer feedback	2025
git-unlocked – Open Source Git Course <i>Git · GitHub · GitLab · Markdown · Open Source · github.com/zaccess/git-unlocked</i> <ul style="list-style-type: none">- 100+ structured topic files across beginner → intermediate → advanced- Covers Git, GitHub, GitLab, Bitbucket, Azure DevOps, Gitea, Forgejo, Codeberg	2026
AstonCV – Full-Stack CV Database <i>PHP 8.2 · MySQL · CSS · Apache · Composer · mPDF · Cloudflare · github.com/zaccess/astoncv</i> <ul style="list-style-type: none">- Built from scratch with no frameworks: pure PHP 8.2, MySQL, CSS- 11 security measures: bcrypt, CSRF, PDO, brute-force protection	2026

Additional projects available on [GitHub](#) and [portfolio](#).

TECHNICAL SKILLS

Languages:	C, C++, Python, TypeScript, JavaScript, Java, PHP, SQL, MATLAB
Embedded:	Arduino, STM32, ESP32, Raspberry Pi, AVR, KiCad, Proteus
Web:	Next.js, React, Node.js, Tailwind CSS, PHP 8.2, MySQL, Apache
AI / ML:	TensorFlow, PyTorch, NumPy, Pandas, Scikit-Learn, OpenCV
Cloud & DevOps:	AWS, Azure, Docker, Vercel, Cloudflare, GitHub Actions
Hardware:	PCB Layout, Circuit Design, Soldering, Oscilloscope, I2C / UART / SPI

LANGUAGES

English (Fluent) · Twi / Akan (Native) · French (Basic) · Spanish (Basic)