



DANIEL EKONG

COMPUTER ENGINEER

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PROFESSIONAL SUMMARY

Final-year Computer Engineering student with First Class standing, focused on computer vision, AI, and embedded systems. Experienced in developing intelligent systems that enhance accessibility, automation, and human-computer interaction. Builder of AI tools such as JobBot and B-CAPTCHA, with strong skills in Python, OpenCV, web development, and digital transformation. Known for adaptability, communication, and a passion for elegant, scalable engineering solutions.

SKILLS

- Python
- OpenCV
- TensorFlow
- Web Development (HTML, CSS, JavaScript)
- GitHub
- Embedded Systems
- Signal Processing
- Cybersecurity
- Adobe Creative Suite
- Microsoft Office
- Front-End Development
- SQL
- DevOps Basics (Azure)
- Research & Problem Solving
- Interpersonal Communication
- Photography
- Pastoral Counseling

PROJECTS

JobBot – AI-Powered Career Assistant

- Built a generative AI tool that assists users in job discovery and interview simulation.
- Integrated LLMs and prompt chaining for guided user interactions.
- Deployed a frontend using HTML, JavaScript, and OpenRouter APIs.

B-CAPTCHA – Moving Slot CAPTCHA System

- Developed an anti-bot CAPTCHA system using unpredictable animated slot-matching.
- Implemented HTML5 drag-and-drop and fallback interactions for accessibility.
- Includes behavioral detection, honeypot fields, and joystick-mode for mobile/desktop.

Brain-Computer Interface for Smart Home Control

- Final year research project integrating neural signal processing, ML models, and embedded control systems.
- Designed for assistive technology with real-time gesture-based home device control.

SIWES DIRECT & TPD Workflow Automation

- Designed digital portals to automate HR and engineering workflows.
- Built email notification systems and approval dashboards using full-stack logic.
- Improved processing efficiency and transparency across departments.

WORK EXPERIENCE

Intern, Nigeria LNG Ltd

Port Harcourt, Rivers

Mar 2024 – Aug 2024

- Built and deployed internal web applications to digitize HR and engineering processes.
- Participated in Azure DevOps and Microsoft workshops.
- Gained practical experience in process automation and corporate IT systems.

Associate, Royal View Services Ltd

Port Harcourt, Rivers

Jun 2017 – Present

- Supported technical and administrative operations.
- Applied strong problem-solving and communication skills in day-to-day tasks.

AWARDS AND CERTIFICATION

- **Generative AI Mastermind - Outskill (Jul 2025)**
- **Introduction to Modern AI – Cisco (Jul 2025)**
- **Data Analytics Essentials – Cisco (May 2025)**
- **Introduction to Data Science – Cisco (Mar 2025)**
- **AWS Educate: Getting Started with Compute – AWS (Dec 2024)**
- **AWS Educate: Getting Started with Storage – AWS (Dec 2024)**
- **Best Graduating Student: High School (2020)**
- **Speaker of the House: High School (2019)**
- **Best Graduating Student: Primary School (2014)**

LANGUAGES

English – Native or bilingual proficiency

ACADEMIC HISTORY

Nile University of Nigeria | 2020-2025

B.Eng Computer Engineering

- **First Class Standing | GPA: 4.59**
- **Focus: Computer Vision, Embedded Systems, Neural Interfaces**

Trinitate International School | 2014-2020

High School Diploma

Earlydays International School | 2005-2014

First School Leaving Certificate