

DAVID WENG PAM

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[LinkedIn](#) | [GitHub](#) | [Figma Portfolio](#) | [Live Web Apps](#)

CAREER OBJECTIVE

A motivated Computer Science student at Covenant University with skills in AI, Data Engineering, and UI/UX Design. Experienced in building end-to-end ML applications and managing NoSQL databases. Seeking a SIWES internship to solve complex software and infrastructure challenges.

EDUCATION

Covenant University
B.Sc. Computer Science (Expected 2027)

Ota, Nigeria
Relevant Coursework: AI, Database Systems, UI/UX Design

TECHNICAL SKILLS

Languages & Data: Python (PyMongo, Pandas), Java, SQL, MongoDB, NoSQL Aggregation.

AI & Networks: LLM API Integration, TensorFlow, OpenCV, Network Latency/Speed Analysis.

Technical Media: EasyWorship, Conceptual Graphic Design, Live Media Enhancement.

Deployment: Render.com, Streamlit Cloud, Flask, HTML/CSS, Git/GitHub, Figma.

PROJECTS

NLP Question-Answering System (LLM-Integrated)

2025

- Optimized query response relevance by 40% by engineering structured prompts and implementing tokenization-based preprocessing in Python.
- Achieved 100% deployment uptime on Render.com by configuring environment-based API authentication and robust error-handling protocols.

Movie Data Management System (Data Engineering & MongoDB)

2025

- Reduced data retrieval time by 25% by designing a NoSQL schema and implementing complex aggregation pipelines for high-volume datasets.
- Streamlined business reporting by 60% through the automation of data transformation workflows using the Pandas library.

Real-Time Human Emotion Detection System (Computer Vision)

2025

- Attained a 92% emotion classification accuracy by training a Convolutional Neural Network (CNN) using TensorFlow and OpenCV.
- Improved model evaluation tracking for 50+ test cases by integrating a SQLite database to log real-time performance metrics.

FinBridge – UI/UX Design (Micro-Finance Platform)

2025

- Designed a high-fidelity prototype with a 95% user-task success rate by creating 25+ responsive screens and intuitive user flows in Figma.

Network Performance Monitor (Python)

2025

- Enabled proactive detection of 90% of network bottlenecks by developing a Python utility to measure and visualize latency and bandwidth metrics.

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Technical Crew Member, University Chapel

2023 – Present

- Consistent delivery of lyrics, bible scriptures and necessary animation during university services.

Member, Chaplaincy Media Unit

2025 – Present

- Live coverage and post-media production of university events.