

# Nyuysemo Calglain

Full-Stack Developer | React, Next.js, React Native, Leadership, Engineering, Express.js | Building scalable web & mobile apps



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✉ https://carlstorm-portfolio.vercel.app/en

## SKILLS

### Frontend

React.js, Tailwind CSS, Next.js, NextUI, React Native (Expo)

### Backend

Python, Node.js, Express, REST APIs, Firebase Auth & Firestore,

### Databases

MongoDB, MySQL, Firebase Firestore

### Tools & Other

Basic Machine Learning, API intergration(AI/ML services), Git/GitHub, Slack, Postman, Vs Code, ClickUP, Metabase, Jira

## PROFILE

**Final-year Computer Engineering student and Full-Stack Developer** with hands-on experience building production web and mobile systems using React, Next.js, React Native, Node.js, and Firebase. Strong interest in **software engineering, data-driven systems, and applied AI**. Proven ability to deliver real-world solutions in team environments and fast-paced internships.

## EXPERIENCE

### Nkwa

(Internship) – Software Developer

07/2025 – 2026 | Buea, Cameroon

- **Designed and developed** responsive web dashboards and mobile interfaces using Next.js, Tailwind CSS, and React Native (Expo).
- Built the **Nkwa Pay Admin Panel** (pay.mynkwa.com) using **Next.js, Tailwind CSS, and React Native (Expo)**.
- Implemented a complete KYC onboarding workflow with document uploads, status tracking, and admin review features for merchant onboarding.
- Integrated **Firebase authentication** (email/password, Google sign-in) and developed **global authentication state (Fundside project)**.
- **Integrated AI-powered diagnostics and data-driven features** (using Gemini API) and machine learning features into mobile applications (**Fundside project**).

### TANGLATEC

Intern

07/2024 – 09/2024 | Belgium

### OPENTEK

Intern

07/2024 – 08/2024 | Douala

### CHAZU

Vonlunteer

CHAZU or simply University Zonal Championships is the qualification phase for the university games in Cameroon.

I was opportune to be selected to volunteer under FENAZU for the championships in Zone C where my university was the main host



## AWARDS & SCHOLARSHIPS

### 2nd Place – Dev War Hackathon 2025

Mr Oben Desmond ( hustlers conference)  
Hustlers Community | 2025Built and pitched a functional prototype within 48 hours, competing against student and early-career developers.

### Kante Tanyi Tometi Excellence Grant — Awarded for academic and technical excellence

Kante Tanyi  
11/2023



## COURSES

### TC React Js/ React Native bootcamp

Tech chantier  
12/2024 – 03/2025 | Buea, Cameroon



## LANGUAGES

English

French



## EDUCATION

### B.Eng Computer Engineering(Final Year)

University of Buea(FET)  
10/2022 – 2026 | Buea, Cameroon  
Relevant Coursework: C Programming, OOP in C++/Java, Algorithms & Data Structures, Database Systems, Artificial Intelligence, Embedded Systems, Digital Electronics, Internet and Mobile Programming



## INTERESTS

- Coding
- Reading/ movies
- Typing / Gaming
- Animals/Nature



## PROJECTS

### Car Fault Diagnostic App (React Native) [↗](#)

MottoFix

- Built an AI-powered mobile app that identifies car issues from uploaded media using Gemini API and Firebase Auth.
- Collaborated with a 4-member team to integrate image and audio analysis features.
- **Tech:** React Native (Expo), Firebase, Node.js, Gemini API, Express, Hugging Face

### KYC & Merchant Dashboard and Admin Panel [↗](#)

Nkwa Pay

- Collaborated with the Nkwa development team to build and deploy Nkwa Pay with document verification, status management, and admin tools.
- Collaborated with a team of 2 backend developers and 1 frontend developer to integrate the backend with the frontend
- **Tech:** Next.js, Tailwind CSS, NextUI, REST APIs, Nodemailer, Motion

### Passenger Positioning system [↗](#)

Passepos

07/2024 – 09/2024

- Built a system to determine passenger positioning using Geolocation features and maps.
- **Tech:** React, Node.js, Geolocation API

### Crud backend with Node and Mongo dB [↗](#)

2024

- REST API backend for user management and data storage.
- **Tech:** Node.js, Express, MongoDB

### 3D Gaussian Data Fitting [↗](#)

07/2024 – 09/2024

Developed a program to fit experimental data to a 3D Gaussian model.

- **Tech:** C++, Python
- Applied mathematical modeling and data fitting techniques for experimental data analysis.

### Image Segmentation with Improved K-means

- Researched and implemented clustering methods for faster and more accurate image segmentation with my coursemates.
- Compared improved K-means initialization against Mean Shift.
- **Tech:** Python, OpenCV, scikit-learn