



Tamegue Negou Donald

ENSPY Student

CONTACT

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Location: Yaoundé, Cameroun

Portfolio: negou.tech

LinkedIn: [Donald Negou](#)

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SKILLS

Languages

Python, Java, C, JavaScript

Frameworks

Django, Spring Boot, React

Databases

PostgreSQL, MySQL, MongoDB

Systems

Linux, Windows

DevOps

Docker, CI/CD, Git/GitHub

Network Tools

Wireshark, Nmap, Snort, OpenVPN

LANGUAGES

French: Native

English: Intermediate

QUALITIES

Adaptability, Perseverance

Creativity, Teamwork

CERTIFICATIONS

Java Certification

ETHIAC – AI & ML

Best Tutor GT 2023

PROFILE

4th-year Computer Engineering student at ENSPY and member of the MLNS2 academic team (CNRS–LIG), developing expertise in operating systems, virtualization, and low-level development, complemented by skills in software architecture, web/mobile development, and cloud infrastructure. Combining academic rigor with a pragmatic approach to design innovative and high-performance technical solutions.

EDUCATION

Engineering Degree – Computer Science 2023 – Present
ENSPY, Cameroon (currently in 4th year) – Admission by competitive exam

Bachelor's Degree – Engineering Sciences 2020 – 2023
Option: Mathematics and Computer Science – ENSPY

Scientific Baccalaureate – Series C Ekangte High School, Nkongsamba 2019

ACADEMIC ACTIVITIES – MLNS2 TEAM (CNRS – ENSPY)

Member of MLNS2 academic team (CNRS – ENSPY) since 2024, LIG–Cameroon collaboration under supervision of **Prof. Alain TCHANA** (Grenoble INP). Research in systems, software engineering, and low-level experimentation. mlns2.org | betalab.academy

Activities conducted under Prof. Alain TCHANA's supervision:

Operating Systems Labs – 9 Labs

Linux kernel modules, custom system calls, memory management (heap manager *pmalloc*), threading, scheduling, IPC, and mini-shells.

Academic Seminars and Conferences

Active participation in MLNS2 research seminars on distributed systems, virtualization, and system optimization.

Winner – Hackathon *Dawn of Computer Science Research in Cameroon*

Project: FireCracker – IaaS4Firecracker Cameroon, Dec 18–27, 2024
IaaS service inspired by Amazon EC2 for VM creation/management via web interface, microVM orchestration with **Firecracker** on Ubuntu 22.04.

In-depth HTTP Protocol Analysis

Manual construction of GET/POST requests via Telnet, analysis of client–server exchanges and HTTP headers.

Software Abstraction vs System Behavior Analysis

Study of gaps between programmer abstractions and actual execution, system call analysis (~ 350 existing): memory management, Linux kernel interactions.

Web Application Deployment on Mobile Environment

Configuration and production of web apps on Android: server management, *Nginx* configuration, network services (Cloudflare).

Night of Computer Science 2025 – Team Challenge Winner

Project: PaperLive – Complete Academic Lifecycle Traceability
Academic article lifecycle tracking platform (writing to publication): intelligent versioning, similarity detection, advanced analytics.

Binary Analysis and Low-Level Engineering

Binary loader to parse executables (ELF/PE), section extraction (*.text*, *.data*, *.bss*, *.rodata*) and symbols. Virtual address manipulation.

VOLUNTEER EXPERIENCE

Mathematics & Computer Science Tutor 2022 – Present
Génie Tutoring, Yaoundé
Best Tutor of the Year 2023

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