

## CURRICULUM VITAE

### Personal Information:

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### Education:

- **Master's in Cybersecurity and Cryptology (Embedded Systems Security and Cryptology)**, Center for Cybersecurity, 2023-2024

#### ❖ Relevant Courses:

- Algorithm, complexity and programming
- Database, Datawarehouse administration and security
- Software engineering and IT project management
- Network, system administration and security
- Operating systems and computer architecture
- Mobile and wireless network security
- Fundamentals of cybersecurity
- Cybersecurity regulatory instruments
- Introduction to cryptology
- Mathematical Tools for cybersecurity and cryptology
- Contemporary societies, ethics and psychology in cyberspace
- Criminal law of information technology and global security
- Application development with Python
- Secure software development and web security
- Distributed systems and Blockchains security
- Cloud computing and security
- Applied machine learning and data mining for cybersecurity
- Advanced cryptology: Cryptanalysis, Protocols, norms and standards
- Digital system design
- Embedded C and real-time operating system

- **PhD in Physics**, University of Dschang, 2021 - present

**Thesis:** "Analytical and Numerical Study of Localized Wave in the Inhomogeneous Medium: The Case of Bose-Einstein Condensate"

- **Master's in Physics, Option Energy Mechanics**, University of Dschang, 2016-2017

**Thesis:** "Localized Waves in the Cubic-Quintic Inhomogeneous Schrödinger Equation"

- **Bachelor's in Physics, Option Energy Mechanics**, University of Dschang, 2013-2014

### **Research Experience:**

#### ❖ **PhD Candidate**

- **Thesis:** "Analytical and Numerical Study of Localized Wave in the Inhomogeneous Medium: The Case of Bose-Einstein Condensate"
- **Publication:** "Compact bright pulse in inhomogeneous and nonlinear medium: case of the Bose-Einstein Condensate" submitted to OPTIK, currently under review.

### **Professional Experience:**

- **Student Ambassador of the APS (American Physical Society)** for the current academic year
- **Participant in Project Development Seminars**, UR2MSP (Research Unit for Mechanics and Modeling of Physical Systems)

### **Awards and Honors:**

- **Winner of the "Francesco Iorio" Award** at the 6th edition of the international conference organized by the CPS (Cameroon Physical Society), November 2019
- **Recipient of the Presidential Award** for top students since 2018

### **Technical Skills:**

- **Theoretical Physics:** Theoretical mechanics, stochastic analysis, electromagnetic wave theory
- **Analytical Modeling:** Study of wave localization in complex environments
- **Programming:** Python, MATLAB, C++, Embedded C, LaTeX
- **Secure Development:** Application development with Python, secure software development, and web security
- **Distributed Systems:** Security of distributed systems and blockchains

- **Embedded Systems:** Embedded C and real-time operating systems
- **Computer Tools:** Microsoft Office Suite (Word, Excel, PowerPoint), MathType

#### **Social Engagement:**

- **Socio-Educational Facilitator**, "Les Francas", July 2018
- **Study in Business Management and Environmental Protection**, SAJE (Solidarity in Action for the Youth of Cameroon), June 2018
- **Member of the Physics Club**, 2014
- **Active Member of the JESBA Cultural Association (Student and School Youth of Bamenyam)**, since 2010
- **Best Student Delegate of the AEFS (Association of Science Faculty Students)**, 2015

#### **Language Skills:**

- **French:** Fluent (comprehension, communication, writing, speaking)
- **English:** Proficient (comprehension, communication, writing, speaking)