Alex Stephane Piedjou Komnang

Phd Physicist Graduate

Self-motivated, organized and hard-working theoretical physicist graduate looking to join a start-up or company as Quantum Computing physicist or Intern. Passionate; willing to perform basic tasks and move on to solve complex problems.

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📍 Bologna, Italy

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in linkedin.com/in/alex-stephane-piedjou-phd-0141a395

EXPERIENCE

Quantum Computing Fellow.
Womanium Foundation

05/2022 - Present
Womanium is non-for profit organization that advances young girls in STEM+Entrepreneurship

Achievements/Tasks
- Interface with partner organisations, industry, companies, government labs and academia to build, collaborate and expand new and existing Quantum Computing, Enterprise and Entrepreneurship avenues.
- Co-organize virtual career fairs for the Womanium Global Quantum Computing & Entrepreneurship Program.

Contact : PRACHI VAKHARIA - prachi.Vakharia@gmail.com

Associate researcher
Dipartimento di fisica/ Università di Salerno

11/2018 - 04/2022   *Salerno, Italy*
The project was funded by the Italian national Institute of Nuclear Physics (INFN).

Achievements/Tasks
- Perform modeling and numerical simulations of single microwave photon detectors based on Josephson junctions.

Contact : Pr. Sergio Pagano - spagano@unisa.it

EDUCATION

PhD in Physics
Università Degli Studi di Salerno

11/2018 - 04/2022   *Salerno, Italy*

Thesis
- Single Photon Detection with Josephson junction

MSc in Physics
University of Yaounde 1

09/2012 - 01/2015   *Yaoundé, Cameroon*

Main Courses
- *Quantum Mechanics*
- *Numerical Methods*
- *Modeling and optimization of mechatronic systems*
- *Control of structures*
- *Quantum Optics, Lasers and applications*
- *Rheology of materials and physics of polymers*
- *Physical and mechanical principles in bioengineering*
- *Thesis: vibration measurement of a mechanical structure using an arduino prototype*

TECHNICAL SKILLS

Scientific Programming
Fortran / Qiskit / Python / Cuda / Mathcad / LaTex

Imaging software
Gnuplot / Matlab / Origin

Microsoft office pack
Suite Office (Excel/Word/Ppt)

SOFT SKILLS

Teamwork | Able to learn new concepts

Able to adapt quickly in any new environment

Ability to work under pressure | Time management

LANGUAGES

French
Native or Bilingual Proficiency

English
Full Professional Proficiency

Italian
Professional Working Proficiency

CERTIFICATES

Crash course on Python (08/2022 - 08/2022)
Online certified course on Coursera covered basic Python Data Structures, fundamental programming Concepts, basic Python Syntax, Python Programming, Object-Oriented Programming (OOP)

Quantum Optics : Single Photon (08/2022)
An online course from Coursera, focused on quantization of light, formalism to describe quantum states of light without any classical analogue, and observables allowing one to demonstrate typical quantum properties of these states.

Qiskit Global Summer School 2022 - Quantum Excellence (08/2022)
The Qiskit Global Summer School 2022 is a two-week intensive summer program designed to empower the quantum researchers and developers of tomorrow with the skills and know-how to explore the world of quantum computing and its applications.

Python essential training (03/2022)
Online course on LinkedIn Learning

QCourse 511-1 Quantum computing and porgramming (09/2021 - 01/2022)
Online graduate course by QWorld focused on Basics of probabilistic and quantum systems to Shor's factorization algorithm and its implementation.