

# Felix Touchte Codjo

## Curriculum vitae



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France



+33 [Redacted]



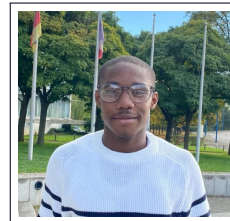
felix.touchte-codjo@etu.unistra.fr

Sex: Male

Date of birth: February 11, 2001

Place of birth: Nkoltang, Gabon

Nationality: Beninese



## EDUCATION

### UNIVERSITY OF STRASBOURG

Sep 2023 - Aug 2024

#### Master of Science in Particle Physics

- Subatomic Physics and Astroparticles (PSA Master)
- Strasbourg QMAT student (with excellence scholarship)

### TELECOM PHYSIQUE STRASBOURG

Sep 2021 - Aug 2024

#### Engineering degree in Physics and Modeling

- Generalist diploma with specialization in physical modeling

### LEON MBA HIGH SCHOOL (Libreville city)

Sep 2018 - August 2021

#### Higher school preparatory classes in Mathematics and Physics (MP)

- Valedictorian
- Admission to Telecom Physique Strasbourg

## EXPERIENCE

### CERN - Geneva [Switzerland]

May 16, 2023 - August 16, 2023

#### Trainee (May 16 - June 15)

- Topic : Detector's stability study using the CERN's REMUS system
- Skill developed : pandas (Python library for csv files)

#### Trainee (June 16 - August 16)

- Topic : Outer Tracker simulation for luminosity measurement for HL-LHC
- Skill developed : ROOT (programming language)

### ICUBE Laboratory - Illkirch-Graffenstaden [France]

July 4, 2022 - July 29, 2022

#### Trainee

- Topic : Characterization of a scintillometer
- Skill developed : LabView (graphical programming language)

## ACADEMIC PROJECTS

### Celestial slingshot

#### February 2022, 1 week

- Study of the classical two-bodies and three-bodies problems
- Simulation using the Runge-Kutta method (RK4) due to the inadequacy of Euler's method
- Skill developed : Vectorization, MatLab (programming language)
- A link towards a simulated video

### Parallel Computation

#### December 2023

- Parallelization of the computations of the set of Mandelbrot
- Various approaches : shared memory communication, distributed memory communication, both of them
- Skill developed : openMP, MPI (programming language for parallelization)

## COMPUTATIONAL SKILLS

- Operational Systems: Linux [Ubuntu], Windows
- Programming Languages/Software: Python, C/C++, ROOT, MatLab, LabView, COMSOL Multiphysics, openMP, MPI

# COMMUNICATION SKILLS

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- English: Intermediate
- French: Native