

Theo Arthur TOKO DIKONGUE

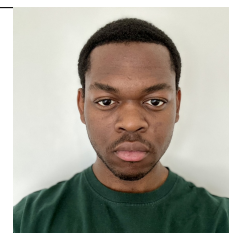
Vélizy-Villacoublay, FRANCE

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Driving Licence



COMPUTER SCIENCE ENGINEER | MASTER'S LEVEL
4 MONTHS INTERNSHIP, MAY - AUGUST

Competencies

Programming	C/C++, Python, JAVA, Code Profiling
Tools	OpenMP, Cisco PT, Ghidra, Docker, OpenMPI, VSCode
OS	Linux, Windows

Professional Experience

ACT-ON DATA, FRANCE

Data Consultant — Internship | June 25 – July 25

Design of a Python/SQL ETL pipeline for an HR data warehouse (CISIRH – Ministry of the Economy of France).

- Handling of large volumes of data, optimization of loading times, automation.
- Objective : structuring HR data for the new payroll solution, RenoiRH Paie.

Academic Experience / Projects

ISTY - University of Versailles (UVSQ)

[*Engineering Techniques and Tools — (LINUX)*]

- Shell, Compilation (lib, makefile, gcc, g++, search paths), Git (versioning), forge, Program debugging (GDB), Binary structure, Error handling, Code profiling (callgrind, kcachegrind, perf + hotspot, flamegraph, gprof).

ISTY - University of Versailles (UVSQ)

→ [*High Performance Computing — -w (OpenMP + MPI)*] ← Github Link

- OpenMP (threads, tasks, sync), MPI (blocking, non-blocking & collective comms), OPT (weak/strong scaling, performance tuning, bottleneck analysis).

Project : C/C++ Peek Hover | VS Code Extension

- VS Code extension to display C/C++ function implementations on hover, enhancing developer productivity. Implemented a high-performance regex-based search engine to locate function definitions across the workspace.

Education

Since 2024 **Master of Engineering (5-year prog) — Computer Science** (Expected : June 27)

ISTY - University of Versailles (UVSQ),

[Course Syllabus / Competencies \(IATIC 4\)](#) ← Link

→ Algorithm, Computer architecture (ISA, IC Technology), Big Data (Linear Models), High Performance Computing, Compilers, Project management, Parallel programming, Operations research, Network, Operating systems

2022 – 2024 **Bachelor (CPGE)**

ISTY - University of Versailles (UVSQ),

→ Chemistry, Maths, Physics, Programming, Engineering Science

Activities++

Languages French, English, Chinese (L2 : Notions)

Hobbies Music, Basketball, Guitar