

THÉO HUET

Pursuing an internship opportunity in the field of quantum error correction.

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EDUCATION

Master's in Theoretical Physics

CY Cergy Paris Université

2024 – now

Cergy (95)

planned options :

Quantum Error Correction, Qubit Entanglement and Matrix Product States, Quantum Monte Carlo, AI and Machine Learning for Physicists

Double Bachelor's Degree in Mathematics and Physics

CY Cergy Paris Université

2021 – 2024

Cergy (95)

General Baccalaureate Maths-Physique, Advanced Maths option

Agricultural and Horticultural High School

2021

Saint-Germain-en-Laye (78)

AWARDS

Bourse d'excellence Master 2

Institute of Science and Technology, CY Cergy Paris Université

2025-2026

Awarded for academic excellence.

EXPERIENCES

Participation in the Quant25 Master's summer school, from Quantum Matter to Quantum Computers

Max-Planck Institute

September 2025

Dresden, Germany

A week of conferences on quantum computing and condensed matter physics.

Bachelor Research Internship

Laboratory of Theoretical Physics and Modeling (LPTM)

CY Cergy Paris University and CNRS

May 2024

Cergy (95)

Theoretical study of the quantum Zeno effect under the supervision of M. Frattino. Analysis of repeated measurement processes on quantum systems.

Tutor in MIPI Bachelor's Degree

CY Cergy Paris Université

2022 – 2023

Cergy (95)

PROJECTS

Available on GitHub :

Neural-Network for Quantum Error Correction. (in progress)

Low-Density Parity-Check (LDPC) decoding algorithm for classic bits. (using numpy)

Young's double-slit experiment simulation. (using numpy, matplotlib, Crank-Nicolson method)

Phase transition simulation. (using numpy, matplotlib, Verlet method)

Password generator software. (using SHA-256 hashing, tkinter)

SKILLS

Python advanced

Qiskit, NumPy, SciPy, Matplotlib

Git, GitHub

LaTeX

LANGUAGES

French Native

English Scientist

INTERESTS

Diorama

Video games (interest in Game/physics engines)

Home improvement (plumbing, electricity, renovation)

Climbing (weekly)