Lana Scravaglieri
Computer Science PhD. Student

CONTACT

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github.com/lanahuong

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SKILLS

Python, C, C++, Rust

Parallel programming

(MPI, pthreads, OpenMP)

Operating systems

architecture

Hardware architecture

GPU programming

Machine Learning

LANGUAGES

French mother tongue

English fluent

Spanish intermediate

EXPERIENCE

IFPEN/Inria – PhD. – 2022-2025
Portable vectorization and optimization of multiprecision simulations

Atos – 6 month research internship – 2022
Optimization of power consumption on Nvidia GPU

Inria Bordeaux – 12 weeks research internship – 2021
Optimization of HPC applications though runtime parameter tuning (published: https://doi.org/10.1016/j.jpdc.2023.104720)

Eurofeedback – 9 weeks internship – 2020
Creation of a program for hair recognition on skin photos in C++ using OpenCV and image filtering algorithms

EDUCATION

2022-2025: Computer Science PhD. Inria Bordeaux and IFPEN - *University of Bordeaux*

2021–2022: Master IHPS Computer Science for High Performance Computing – *University of Paris-Saclay*

2019-2022: Engineering school – specialized in High Performance Computing (equivalent to Msc) – *ENSIIE – Evry*

2016-2019: Preparatory class for engineering school (math and physics) – *Lycee Saint-Louis – Paris*

2016: Baccalaureat General Scence, with Honors, special mention for English – *Lycee Leonard de Vinci -Levallois-Perret*

ACTIVITIES

Indoors bouldering, reading, Rust, ballroom dancing