Luc ANGELELLI

HPC/IA Engineer

Specialist in high-performance computing (HPC), optimization, AI, and algorithm development. Expert level in Python, C++.

✉ luc_angelelli@hotmail.fr   📞 +33 7 82 75 15 57   📅 28 years old   🏠 Grenoble, France

Languages

French
Mother tongue

English
Certification IELTS : 7/9
Master 1 et 2 effectués en anglais. Contrat d'étude international incluant de nombreuses présentations et discussions avec des anglophones.

Skills

Softwares
OS : Windows, Linux, MacOS
Office : Suite Office, Latex
3D : Solidworks, Blender
Science : Scilab, R
LP : CPLEX, CoinOR, OR-Tools
Simulation : SimGrid, BatSim
Microservices : Docker, Kubernetes
Games : Unreal Engine, GameMaker

Programming Languages
C, Java, Python, C++, Ada, ARM, OCAML, C#, JavaScript, HTML, CSS

Advanced Math
Algorithmic, Graph theory, Linear Programming, Optimization, Algebra, Analysis, Partial Differential Equations

Professional Skills

Inventity

Creativity

Teamwork

Pragmatism

Pedagogy

Synthesis skills

Useful Links

CVs : github.com/Defryder/CV
LinkedIn : linkedin.com/in/langelelli

Work Experience

Study Contract - Energy Optimization of Supercomputers (Work in English) (3 years)
From 2021 to 2024
Laboratoire d'Informatique de Grenoble (LIG), Université Grenoble Alpes, Grenoble, France
European project REGALE (URL : https://regale-project.eu/)
Control of energy consumption of supercomputers
Design of algorithms and simulation tests of supercomputers
Simgrid - Batsim - Docker - Kubernetes - C++ - Python - R

Research and Teaching Assistant - Licence 1 - Python Course (6 months)
2022
Département Licence Sciences et Technologies (DLST), Université Grenoble Alpes, Grenoble, France

Education

Master 2 Operations Research, Combinatorics and Optimization (ORCO) (English courses)
From 2020 to 2021
Université Grenoble Alpes, Grenoble, France
Mathematical Programming - Graph theory - Complexity - Stochastic Programming- Heuristics - Supply chain - Scheduling - Revenue management - AI

Master 1 Science in Industrial and Applied Mathematics (MSIAM) (English Courses)
From 2019 to 2020
Université Grenoble Alpes, Grenoble, France
Probability - Statistics - Partial Differential Equations - Modelling - Image Processing - Geometry - Cryptology

Bachelor's Degree Mathematics and Computer Sciences
From 2016 to 2019
Université Grenoble Alpes, Grenoble, France
C - Java - Python - C++ - Ada - ARM - OCAML
Algebra - Analysis

Internships

Master 2 Internship - Microservices scheduling for Edge and Cloud (6 months)
2021
Laboratoire d'Informatique de Grenoble (LIG), Université Grenoble Alpes, Grenoble, France
Docker - Kubernetes - C++ - Python - Linear Programming - CPLEX - CoinOR

Master 1 Internship - Geometric 3D Modelling Engineer (3 months)
2020
Entreprise MicroLight3D, Grenoble, France
C++ - Solidworks

Bachelor Internship - Design of Directed Works in Graph Theory (2 months)
2019
Laboratoire G-SCOP, Institut National Polytechnique de Grenoble , Grenoble, France
Python - C++ - Linear Programming - CPLEX

Personnal Projects

Video game making

Algorithmic Trading

Robotics

Fabrication, laser cutting, 3D printing, modelling

Mobile Apps

Very High Voltage

Interests

Climbing / Bloc

Diving

Music

Aïkido

Aviation