# 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 and 2 courses in english.
International study contract with many presentations and talks in person.

## 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

**Inventivity**

**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**