Jérémie Lagravière
Research Software Developer

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Top 3% Coder Worldwide • French • 24/09/1982

LinkedIn • Github

Profile

I love working with inspiring people • I am passionate by carrying out advanced research with the most advanced technologies • Lived, studied and worked in 4 different countries • Hope to get better at everything I do • Care about people around me.

Skills

High Performance Computing, Distributed Computing, Python, C, C++, PHP, Java, Data Science, Blockchain programming, Databases

Education

PhD in Computer Science, *University of Oslo* ⧉
2020 | Oslo, Norway
High Performance Computing

Master in Computer Science, *University of Tukru* ⧉
2014 | Turku, Finland
Embedded Computing

MBA - Advanced Information System, *University Lyon 3* ⧉
2007 | Lyon, France
IT Architecture and software development

Bachelor in Economics, *University Aix-Marseille* ⧉
2004 | Aix en Provence, France
Macro and micro economy

Languages

French   ● ● ● ● ●

English   ● ● ● ● ●
10+ years in international environment

Professional Experience: 12+ years

High Performance Computing Engineer, *UFZ* ⧉
01/2022 – present | Leipzig, Germany
Scientific Computing, C, C++, MPI, OpenMP, Git, Gitlab

Computer Science Engineer, *lagraviere.science* ⧉
06/2020 – 12/2021 | Lyon, France
Python, C, C++, PyTorch, TensorFlow
AI supervised learning applied to research for breast cancer

Researcher in Computer Science,
Simula Research ⧉
10/2014 – 06/2020 | Oslo, Norway
Data Science, Scientific computing: massively parallel programming, distributed computing

Researcher in Computer Science, *Åbo Akademi* ⧉
09/2012 – 02/2013 | Åbo, Finland
C, SoC, Parallel programming
Embedded Programming

Project Manager and Software Engineer,
ATOS, Alten, Norsys ⧉
06/2006 – 06/2011 | Lyon & Limoges, France
Managing Engineering Team: up to 8 people
Web development, PHP, Java, SQL, JavaScript

Interests

Hacking competition ⧉ *(Top 3% Coder Worldwide on codingame.com)*,
Guitar *(Teacher, Founder of Jam Session Group at Åbo Akademi)*,
Cinema *(French cinema group in Oslo and Turku)*,
Microcredit humanitarian investor ⧉ *(Kiva contributor since 2008)*

Publications

A Newcomer In The PGAS World -- UPC++ vs UPC: A Comparative Study ⧉
2020

Performance Optimization and Modeling of Fine-Grained Irregular Communication in UPC ⧉
2019

On the performance and energy efficiency of the pgas programming model on multicore architectures ⧉
2016

Parallel decoder for low density parity check codes: A MPSoC study, *IEEE* ⧉
2013