



Bastien Mussard

Software Engineer

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(*Bold elements are clickable*)

Scientist by training, looking for a job leaning more toward programmation, which has effectively always been at the core of my work.

- Used to work on cross-functional projects.
- Good dialog with people of broad backgrounds.
- Participation in teams to launch new features, from creation to production phase.
- Communication on results and processes, including through visual aids.

Global thinking

Creativity

Curiosity

Adaptability

Tenacity

Motivation



SKILLS

Linux, Bash	●	●	●	●	●	●
Python	●	●	●	●	●	●
C	●	●	●	○	○	○
Git, SVN	●	●	●	●	●	○
CI, Testing	●	●	●	○	○	○
Machine Learning	●	●	●	○	○	○

Bilingual French (native) and English (daily practical use both personally and professionally ; lived 3 years in the United States).



EXPERIENCES

Postdoctorate

2017-2019

University of Colorado, Boulder, USA

Contact: Sandeep Sharma

Handling of large operation and data flows.

Design and creation of scalable algorithms.

Lead a team of 4 PhD candidates.

Set up good practices guidelines and CI.

Invited researcher

2016

University of Cornell, Ithaca, USA

Contact: Cyrus Umrigar

Unified implementations to boost performance.

Wrote user/programmer docs for complex codes.

Research Engineer

2014-2016

Sorbonne University, Paris

Contact: Julien Toulouse

Tasked with production and maintenance of codes.

Optimized core routines in widely used algorithms.

Developed user-friendly libraries for key tasks.

Design and creation of naturally interfacing codes.



EDUCATION

PhD

2010-2013

Université de Lorraine, Nancy

MSc

2007-2010

École Normale Supérieure, Paris

Higher School Prep. Classes

2005-2007



INTERESTS

Teaching, Outreach, Swimming, Reading, Hiking