

Jocelyn Meyron

IT consultant.

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Professional experiences

- 2021 - **IT consultant**, *Adentis*, Grenoble, France.
- 2019 - 2021 **Postdoctoral researcher**, *LIRIS*, Lyon, France.
Pattern generation for digital surface analysis. Supervised by Tristan Roussillon.
- 2015 - 2018 **PhD Thesis**, *GIPSA-lab*, Grenoble, France.
Semi-discrete optimal transport and applications to non-imaging optics. Supervised by Dominique Attali, Quentin Mérigot, Boris Thibert, defended on October 16th 2018.

Education

- 2012 - 2015 **Graduate in computer science and applied mathematics**, *Ensimag*, Grenoble, France.
Specialization: *Mathematical modeling, Vision, Graphics and Simulation*.
- 2010 - 2012 **Preparatory classes for French Grandes Écoles**, *MPSI-MP**, Marseille, France.

Projects

- 02-06/2015 **Research internship**, *GIPSA-lab*, Grenoble, France.
 - Goal: Discretization of mean curvature flows on point clouds.
 - Tools: C++ / Python / CGAL / CMake / git.
 - Available on my *GitHub* profile, 10kLOC.
- 06-08/2014 **Research internship**, *Google Summer of Code, LJK*, Grenoble, France.
 - Goal: Implementation of a function for computing an intersection of halfspaces and the Voronoi Covariance Measure (VCM) inside the *CGAL* library.
 - Tools: C++ / Python / CGAL / CMake / Doxygen / git.
 - Available in the *CGAL* library, 2kLOC.
- 06-2014 **Second year final project**, *Ensimag*, Grenoble.
 - Goal: Procedural generation of strongholds, and terrain adaptation
 - Tools: ANTLR / C++ / OpenGL.
 - Available on *GitHub*.

Skills

Computer science

- Programming languages: C, C++, Java, Python, Coq, Haskell, JavaScript
- Libraries: CGAL, DGtal, Eigen, OpenGL, pybind11, NumPy, SciPy, Matplotlib, React
- Software: Git, Linux, \LaTeX , Blender, LuxRender, GIMP, Visual Studio Code

Languages

- French **Mother tongue**.
- English **Fluent in both oral and writing**, *TOEIC: 960 points*.
- Japanese **Notions**, *Japanese Language Proficiency Test N2 Level, received August 2021*.

Miscellaneous

- Teachings (C++ and Coq practicals), 27h, Université Claude Bernard, Lyon
- Redaction and presentation of scientific papers

Centers of interest

- Culture **Japanese literature, movies, video games**.
- Voyage **Europe, Asia**.