

# Jean Jouve

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## Education

- 2021– **Ph.D. in Computer Science and Applied Mathematics (Numerical modelization of bird's feathers)**, *École Doctorale Mathématiques, Sciences et Technologies de l'Information, Informatique; ELAN, INRIA*, Grenoble, France. Supervised by Florence Bertails-Descoubes and Victor Romero Gramagna
- 2018–2021 **Master of Computer Science**, *École normale supérieur de Rennes & University of Rennes*, Rennes, France.
- 2017–2018 **Bachelor's degree in Computer Science**, *École normale supérieur de Rennes & University of Rennes*, Rennes, France.
- 2015–2017 **Post-secondary preparatory school**, *Lycée Henri Wallon*, Valenciennes.

## Professional Experiences

- 2018 **Internship on simulation (Projective Dynamics with Dry Frictional Contact)**, *ELAN, INRIA*, Grenoble, France.
- 2019 **Internship on simulation (Homogenization and Inverse Design of Non-Linear Metamaterials)**, *LGG, EPFL*, Lausanne, Switzerland.
- 2019 **Internship on static analysis (Quantifying leakage due to speculative execution)**, *Real-Time and Embedded Systems Lab, Saarland University*, Saarbrücken, Germany.
- 2020 **Internship on simulation (Fast Bubbles using the Fast Multiple Method)**, *DGP, University of Toronto*, Toronto, Canada.
- 2021 **Internship on simulation (Modeling of Bird Feathers)**, *ELAN, INRIA*, Grenoble, France.

## Languages

French Mother tongue  
English Fluent

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## Computer Skills

- C++ STL, Template meta-programming, Eigen, Boost
- Python Good knowledge of the fundamentals and some more
- L<sup>A</sup>T<sub>E</sub>X Good knowledge of the basic functionalities as well as TikZ
- Linux Good knowledge of the command line interface

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## Publications

- 2020 Mickaël Ly, Jean Jouve, Laurence Boissieux, and Florence Bertails-Descoubes (2020). “Projective Dynamics with Dry Frictional Contact”. In: *ACM Transactions on Graphics* 39.4, Article 57:1–8. DOI: 10.1145/3386569.3392396. URL: <https://hal.inria.fr/hal-02563307>