

Jean VEREECKE

Curriculum Vitæ

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Formation

- 2023 – nowadays **Master 2 Mathematics**, *ENS Rennes and Université de Rennes 1*, Rennes, Bruz (Ille-et-Vilaine, France)
Parcours Mathématiques avancées pour l'enseignement secondaire et supérieur (Advanced Mathematics for teaching).
- 2022 – 2023 **Master 1 Mathematics**, *ENS Rennes and Université de Rennes 1*, Rennes, Bruz (Ille-et-Vilaine, France)
Parcours Mathématiques Fondamentales (Fundamental Mathematics).
- 2021 – 2023 **Bachelor 3 Computer Science**, *ENS Rennes and Université de Rennes 1*, Rennes, Bruz (Ille-et-Vilaine, France)
Double Curriculum, Parcours Science informatique (Computer Science).
- 2021 – 2022 **Bachelor 3 Mathematics**, *ENS Rennes and Université de Rennes 1*, Rennes, Bruz (Ille-et-Vilaine, France)
Mention Good. Parcours Mathématiques pour la recherche (Mathematics for research).
- 2018 – 2021 **Classes Préparatoires aux Grandes Écoles**, *Lycée Faidherbe*, Lille (Nord, France)
MPSI, MP*, MP*.
- 2018 **Scientific Baccalauréat with speciality Mathematics**, *Lycée Saint Vincent de Paul*, Loos (Nord, France)
Mention Very Good.

Internships

- May – July 2023 **10 week long internship**, *University of Bielefeld*, Bielefeld (Nordrhein-Westfalen, Germany)
Supervisor : Barbara GENTZ.
Stochastic Integration.
Foundations of stochastic integration, stochastic differential equations and WENTZELL-FREIDLIN theory. Application of the acquired knowledge to the stochastic ADLER equation. Determination of how long the synchronization of coupled noisy oscillators can persist.
- May – June 2022 **5 week long internship**, *University of Potsdam*, Potsdam (Brandenburg, Germany)
Supervisor : Sylvie ROELLY.
Research on a question of statistical mechanics.
Lectures on the ISING-LENZ model. Study of the hard-core model on a discrete graph.

Activities related with Mathematics

- 2024 **Presentation to secondary school students**, *ENS Rennes*, Bruz (Ille-et-Vilaine, France)
A one-hour presentation on the theme of *Percolation model and critical phenomena* as part of the regional stage of the Tournoi Français des Jeunes Mathématiciennes et Mathématiciens (TFJM²) organised by students from the ENS Rennes in connection with the Animath association.
- 2021 – 2022 **Mathematics tutoring**, Bruz (Ille-et-Vilaine, France)
For a seventeen-year-old student.
- 2021 **Rendez-vous des Jeunes Mathématiciennes et Informaticiennes (RJMI)**, *ENS Rennes*, Bruz (Ille-et-Vilaine, France)
Contact with computer scientists and mathematicians in order to organize meetings between them and high school girls during the event RJMI organized by the students of the ENS Rennes in connection with the association Animath to promote mathematics and computing to high school girls.

Skills

- Programming Very good knowledge : Python,
Good knowledge : HTML, CSS, OCaml, SQLite, \LaTeX , Julia,

Correct knowledge : Javascript, C,
Notions : PHP, MySQL.
Language French (mothertongue),
German (casual practice since 2008),
English (casual practice since 2011, TOEIC obtained on 4 April 2023 with a score of 975/990).

Other experiences

- 2022 – 2023 **Actor of the association *Muses et Co.*, ENS Rennes**
Actor (Ambroise) and singer of the musical "Expédition en Atlantide".
- 2022 – 2023 **President of the association *Muses et Co.*, ENS Rennes**
Creation and management of the musical "Expédition en Atlantide", supervising about fifty people (actors, singers, musicians, chorus members, dancers, technicians,...). Organization of screenings of some of the projects realized in the previous years.
- 2021 – 2022 **Actor of the association *Muses et Co.*, ENS Rennes**
Actor (Diego DE LA VEGA) and singer of the musical "Divine Chamaille".

Areas of interest

- Drawing
- Linguistics Interest in the study and understanding of the origin and evolution of words and languages, in constructed languages and in the tools of formal linguistics.
- Photography
- Writing Interest in writing short stories and novels.