



Jean GASNIER

Application for PhD Position

Formation

- 2019-2022 **Mathematics Master's degree, ENS Rennes.**
First two years passed with highest honors.
- 2021 **Computer Sciences Bachelor's degree, Ens Rennes/Université de Rennes 1.**
Awarded with highest honors.
- 2020 **Math Bachelor's degree, Ens Rennes/Université de Rennes 1.**
Awarded with highest honors.
- 2017-2019 **Prep school: MPSI, MP*, Lycée François-René de Chateaubriand, Rennes.**
2017 **Awarded Baccalauréat with highest honors.**

Internships

- 2021 **Secret Sharing Schemes based on Error Correcting Codes, 9 weeks.**
Supervised by Alexis Bonnecaze, member of the ATI team and director of the AGLR group at Institut de Mathématiques de Marseille, professor at Polytech Marseille.
- 2020 **Modules, Categories et Module Representations with finite quivers, 7 weeks.**
Supervised by Pierre-Guy Plamondon, professor at Université de Paris-Saclay.

Computer skills

- Python 3 Experienced.
- SageMath Some practice.
- C Some experience.
- Bash Regular usage of Linux systems.
- L^AT_EX

Languages

- English TOEIC certification obtained in 2021 with a score of 985 out of 990. *(C1 level)*

Classes in 2022

- Mathematics Seminar.**
Personnal subject: Isogeny-based key exchange.
- Elliptic Curves for Cryptography.**
- Lattices in Cryptography.**
- Riemann Surfaces.**
- Lie Groups and Lie Algebras.**
- Algorithmic Number Theory.**
- Post-Quantum Cryptography.**

Error Correcting Codes in Cryptography.

Toric geometry.

Interests

Cybersecurity CTFs. RootMe, HackTheBox, TryHackMe user.

Chess

Climbing