

Publications

- 2023 **Learning on entropy coded images with cnn**, *R. Piau, T. Maugey, A. Roumy*, ICASSP
- 2023 **Predicting CNN learning accuracy using chaos measurement**, *R. Piau, T. Maugey, A. Roumy*, ICASSP HMM-QoE Workshop

Submitted works

- 2025 **Bitstream-sampled JPEG images are learnable: synchronization and partial decoding**, *TIP*
- 2025 **Towards in-place homomorphic interger vector compression**, *Rejected at ICIP 2025, rework in progress*

Education

- 2021 – 2025 **Computer Science Phd Preparation**, *University of Rennes 1*
- 2020 – 2021 **M2 SIF (Computer Science)**, *University of Rennes 1 & ENS Rennes*
- 2019 – 2020 **M1 SIF (Computer Science)**, *University of Rennes 1 & ENS Rennes*
- 2018 – 2019 **L3 Computer Science**, *University of Rennes 1 & Ecole Normale Supérieure de Rennes, C.S. departement*
- 2016 – 2018 **CPGE (Classe préparatoire aux grandes écoles)**, *Lycée Clemenceau, Nantes, MPSI/MP**
- June 2016 **Baccalauréat**, *Mention très bien*
Bac S-SVT, maths speciality, latin and sound's art options

Professional experience

- 2021-2025 **Phd Preparation**, *INRIA, SIROCCO Team, Rennes*
- 2022-2024 **Classes given on algorithms/data structures/JAVA to 2nd & 3rd years of engineering school**, *INSA, Rennes*
- Feb. – July 2021 **Research internship in Video Compression**, *INRIA, SIROCCO Team, Rennes*
- May – Aug. 2020 **Research internship in Computer Vision**, *TUM, Computer Vision Group, München*
- May – July 2019 **Research internship in Cryptography**, *LORIA, CARAMBA Team, Nancy*

Language Skills

French	Native Language
English	C1
German	B1

graded 7.5 at IELTS 03/2019

Deutsches Sprachdiplom 1

Computer Science Skills

- Theoretical Information theory, Signal Processing, Machine Learning
- Programming Languages C, C++, Ocaml, Java (Android), Python, Bash, Rust, learning Zig.
- Sys. Admin Multi-site homelab since 2015