

PERSONAL DATA

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PROJECTS / WORK EXPERIENCE

2020 - 2023	Thales , Gennevilliers Research engineer - Protection of data and data flow in real time, cryptography and agility.
APR-SEP 2019	Commissariat à l'énergie atomique Cea-List , Saclay Internship - Homomorphic Cryptography Development of Boolean Circuit Optimization techniques specific to Homomorphic Cryptography for the open-source Cingulata toolchain.
2017 - 2018	Paris 8 University , Paris Various projects on Homomorphic Encryption, Cryptography on smart cards, and Elliptic-curve cryptography.

EDUCATION

2020 - 2023	PhD Student at Télécom Paris Design and analysis of an adaptive cryptographic architecture for connected and autonomous vehicles.
2018 - 2019	Master 2 - Applied Algebra to Cryptography, Paris-Saclay University
2017 - 2018	Master 1 - Applied Mathematics for Information Security, Paris 8 University

SKILLS

SECURITY:	Cryptography, Network Security, Homomorphic Encryption
PROGRAMMING:	C, Sage, Caml, Rust, Python, Linux, Arduino
LANGUAGES:	English (Fluent), French (Fluent).

TEACHING

2020 - 2022	Sorbonne university : Networks security theory and practice for Master 2 students.
2020	Télécom Paris : Networks security.

PUBLICATIONS

- A comparative performance study of cryptographic algorithms for connected vehicles. CSNet 2020.
- Privacy Preserving Services for Intelligent Transportation Systems with Homomorphic Encryption. ICISP 2021.
- Security of Intelligent and Cooperative Transport Systems: Issues and Solutions. ATEC ITS France

REFERENCES

Aymen Boudguiga	CEA-LIST, Saclay
Rida Khatoun	TÉLÉCOM PARIS, Palaiseau
Philippe Guillot	PARIS 8 UNIVERSITY, Paris