

Florian Duzés for **Maria Mushtaq**

A brief interview

Florian Duzés

June 18, 2025

Florian for
Maria Mushtaq

Florian Duzés

General
presentation

Academic
background

Projects and
internship

Future
projections

- 1 General presentation
- 2 Academic background
- 3 Projects and internship
- 4 Future projections

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Essential

- 23 years old



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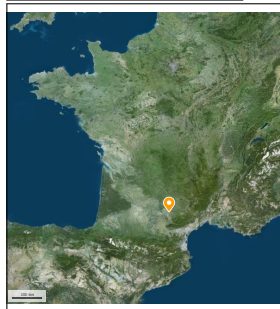
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Essential

- 23 years old
- From Albi, South of France



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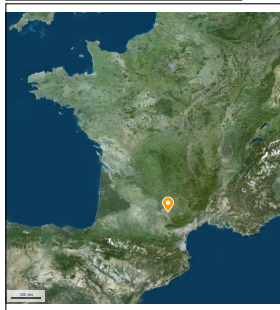
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Essential

- 23 years old
- From Albi, South of France
- Languages :
 - French, Spanish, English



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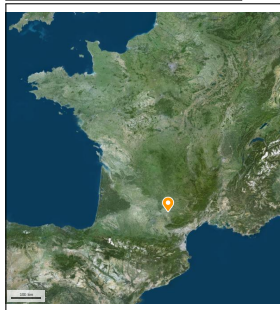
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Essential

- 23 years old
- From Albi, South of France
- Languages :
 - French, Spanish, English
- Hobbies
 - Sport
 - Gastronomy
 - Reading
 - Cinema



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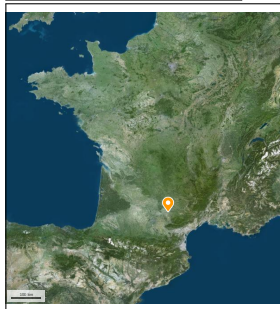
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Essential

- 23 years old
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- Languages :
 - French, Spanish, English
- Hobbies
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 - Cinema
- Lot of Benevolent work in youth animation



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Bachelor

1st y Bachelor in mathematics

1/2 y Dual Bachelor in Mathematics and Computer Science

3rd y Bachelor's degree in Computer Science

- Specialisation AI



Institut National
Universitaire
Champollion

Master

- 1st year
 - Cryptography principles
 - number theory, abstract algebra, and probability theory...
 - Computer Security
 - Network security, Software Security, Programming
- 2nd year - only options
 - Cryptanalysis
 - Post Quantum Cryptography
 - Chip security
 - OS Security
 - PQ algorithmic

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Temporal Order

- Chat in local Network, C

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Temporal Order

- Chat in local Network, C
- C compiler, Ocaml

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Temporal Order

- Chat in local Network, C
- C compiler, Ocaml
- HE Chat - Paillier cryptosystem, C

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Temporal Order

- Chat in local Network, C
- C compiler, Ocaml
- HE Chat - Paillier cryptosystem, C
- PRNG introduction, research article

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Temporal Order

- Chat in local Network, C
- C compiler, Ocaml
- HE Chat - Paillier cryptosystem, C
- PRNG introduction, research article
- ECDSA side channels attacks, Sagemath

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Binsec & HACL*

- Automation
- CT detection
- Compiler diversity
 - x86, arm, riscV

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How do I see myself working with SSH Lab

- INRIA Internship

How do I see myself working with SSH Lab

- INRIA Internship
- General Set-Up
- Installing Gem5
- Tutorials & reading articles
- Dive into subjects / seminars / presentation

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Imagination

- SCA / CPA / CT attacks
- Automatisation
- RiscV transfer of knowledge

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Preferences

- 1 Modeling & Formalising timing based SC
- 2 Dev framework for RL (with RTL simul + board exec)

Merci.



Thesis ?

- Desire I want
- Curiosity Yes
- Open minded Yes
- Can I ? Yes

-
- Should I ? YES !