Florian Duzés for **Maria Mushtaq**

A brief interview

Florian Duzés

June 18, 2025

Summary

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

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Whoami

Essential

- 23 years old

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  - Sport
  - Gastronomy
  - Reading
  - Cinema

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  - Reading
  - Cinema
- Lot of Benevolent work in youth animation

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Evolution & Changes

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

Higher studies

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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Achievements

Temporal Order

- Chat in local Network, C

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

Inria internship

Binsec & HACL*

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

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Florian for Maria Mushtaq

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General presentation

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How do I see myself working with SSH Lab

- INRIA Internship

SSH lab

How do I see myself working with SSH Lab

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

In my mind

Imagination

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

Offers - interships references

Preferences

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

Merci.

Looking forward

Thesis ?

- Desire ..... I want
- Curiousity ..... Yes
- Open minded ..... Yes
- Can I ? ..... Yes

- Should I ? ..... YES !