

Florian for Maria Mushtaq

Florian Duzés

General presentation

Academic background

Projects a internship

Future projections

Florian Duzés for **Maria Mushtaq**

A brief interview

Florian Duzés

June 18, 2025



Inria Summary

Florian for Maria Mushtag

Florian Duzés

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



Table of Contents

Florian for Maria Mushtaq

Florian Duzés

General presentation

Academic background

Projects a

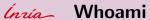
Future

General presentation

2 Academic background

Projects and internship

4 Future projections



Florian for Maria Mushtaq

Florian Duzés

General presentation

Essential

• 23 years old





Inria Whoami

Florian for Maria Mushtag

Florian Duzés

General presentation

- 23 years old
- From Albi, South of France







(nría Whoami

Florian for Maria Mushtag

Florian Duzés

General presentation

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







(nría Whoami

Florian for Maria Mushtag

Florian Duzés

General presentation

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







(nain - Whoami

Florian for Maria Mushtan

Florian Duzés

General presentation

- 23 years old
- From Albi, South of France
- Languages:
 - French, Spanish, English
- Hobbies
 - Sport
 - Gastronomy
 - Reading
 - Cinema
- Lot of Benevolent work in youth animation







Table of Contents

Florian for Maria Mushtag

Florian Duzés

Academic background

- 2 Academic background
- Projects and internship
- 4 Future projections



Evolution & Changes

Florian for Maria Mushtaq

Florian Duzés

General presentation

Academic background

Projects and internship

Future projections

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





Higher studies

Florian for Maria Mushtaq

Florian Duzés

General presentation

Academic background

internship

Future projections

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





Table of Contents

Florian for Maria Mushtaq

Florian Duzés

General presentation

Academic background Projects and

internship Future

Future projections

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



Inria Achievements

Florian for Maria Mushtag

Florian Duzés

Projects and internship

Temporal Order

• Chat in local Network, C



(nría_ Achievements

Florian for Maria Mushtag

Florian Duzés

Projects and internship

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



(nría_ Achievements

Florian for Maria Mushtag

Florian Duzés

Projects and internship

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



(nria_ Achievements

Florian for Maria Mushtag

Florian Duzés

Projects and internship

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



(nain - Achievements

Florian for Maria Mushtan

Florian Duzés

Projects and internship

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



Inria internship

Florian for Maria Mushtaq Florian Duzés

presentation Academic

Projects and

internship

Future projections

Binsec & HACL*

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



Table of Contents

Florian for Maria Mushtag

Florian Duzés

Future

projections

- 2 Academic background
- Projects and internship
- 4 Future projections



(nria_ SSH lab

Florian for Maria Mushtag

Florian Duzés

Future projections

How do I see myself working with SSH Lab

• INRIA Internship



(naía - SSH lab

Florian for Maria Mushtan Florian Duzés

Future projections

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

Florian for Maria Mushtag Florian Duzés

Future projections

Imagination

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



Offers - interships references

Florian for Maria Mushtaq Florian Duzés

presentation

Academic background

Projects a

Future projections

Preferences

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



Florian for Maria Mushtaq

Florian Duzés

General presentation

Academic background

Projects and internship

Future projections

Merci.



Invia Looking forward

Florian for Maria Mushtag

Florian Duzés

Future projections

Thesis?
• Desire want
• Curiousity Yes
• Open minded Yes
• Can I ? Yes