





# Mohamad Mansouri, Ph.D.

 [www.mohamadmansouri.github.io/website/](http://www.mohamadmansouri.github.io/website/)  
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 Toulouse, France



## Summary

- Software engineer experienced in implementing cryptography standards and hardware specifications.
- Cryptographer experienced in designing and implementing new security protocols.
- Exhibits excellent problem-solving, project management, writing, and communication skills.

## Employment History

- **Software Engineer. (2023 – present)** Crypto Dev Team, NXP Semiconductors, France.
  - Developing and maintaining cryptography libraries for NXP microcontrollers.
  - Hardening NXP softwares against fault-attacks and side channel attacks.
- **Security Research Engineer. (2020 – 2023)** Therisis, Thales SIX GTS, France.
  - Researching and developing new security solutions.
  - Integrating research results in Thales products.
- **Final Year Internship. (2019)** Stevens Institution of Technology, USA.
  - Researching automatic patching and remediation techniques
- **Summer Internship. (2018)** Digital Security Department, EURECOM, France.
  - Researching privacy-preserving techniques for machine learning
- **Penetration Tester** NetRom Consultants, Jounieh, Lebanon.
  - Designing a privacy-preserving neural networks using multi-party computation.

## Education

- **Ph.D., University of Sorbonne. (2020 – 2023)** *Cryptography and Security.*
- **Engineering Diploma, Telecom ParisTech (EURECOM). (2017 – 2019)** Digital Security.
- **Engineering Diploma, Lebanese University. (2013 – 2017)** Telecommunication and Electronics.

## Skills

Cryptography	■	NIST Standards, AES, DES, ECC, RSA, PQC, ZKP, ...
Programming	■	C++, Embedded C, Python, Assembly, Bash, PHP, HTML, CSS.
Collaboration Tools	■	Jira, Bamboo, BitBucket, Git, Jenkins, Collabnet.
Binary Analysis	■	Static Analysis (IDA Pro, Radare2), Dynamic Analysis (Intel Pin Tool).
Machine Learning	■	Deep Neural Networks, NLP, Federated Learning.
PenTesting	■	Web apps (OWASP), Android apps
Languages	■	English (Professional), French (Intermediate), Arabic (Native).
Soft Skills	■	Agile, Communication, Presentation, Critical Thinking, Project Management.