

Mohamad Mansouri, Ph.D.

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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. (2017)** 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.