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. (2020 – 2023)** 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

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.