Mohamad Mansouri, Ph.D.

🌐 m-mansouri.com
⌨ www.github.com/MohamadMansouri
✉ mohamad_mansouri@outlook.com
📍 Toulouse, France

Summary

🔖 Cryptographer experienced in designing crypto implementations based on highest security standards.

🔖 Software engineer specialized in developing software for embedded devices.

🔖 Exhibits excellent problem-solving, project management, writing, and communication skills.

Employment History

🔖 **Security Software Engineer. (2023 – present)** 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)** 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, Lebanon.
   - Performing black-box penetration testing for web applications and internal networks.

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 and ISO/IEC Standards, AES, ECC, RSA, PQC, Zero-Knowledge Proofs.
Programming	🔖 Embedded C, C++, Python, Assembly (Arm, RISC V), PHP.
Code Quality	🔖 MISRA and CERT-C standards, Code coverage analysis
Code Security	🔖 SCA, Fault-Attacks, Reverse Engineering (IDA Pro, Radare2, Intel Pin, Frida).
Team Tools	🔖 Jira, Bamboo, BitBucket, Git, Svn, Jenkins, Collabnet.
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.