Hardware Security Analyst

Pessac, France

Hello! 👋 Are you curious, passionate and have a taste for challenges? Do you wish to develop your strategy skills in an innovative and multinational environment?

We are a technology startup specialised in cybersecurity - everything from mobile applications to connected devices. Our role is to provide our customers, developers and users of connected objects, the means of controlling cyber risk and ensuring their products are at the correct level of protection.

For that, we have assembled a great team of specialists, and you could be one of them!

Your day-to-day would be:

You work on different topics related to hardware security analysis. Typical projects range across the following categories:

- **Expertise project**: it can be a black box reverse engineering project or a security evaluation project in a white or grey box manner. You participate in the project scoping, do the investigations, attend customer meetings, and compile a report (PDF or notebooks).

- **R&D**: develop practical knowledge on side-channel analysis techniques to fuel our esDynamic platform. Share your findings or views in a technical article (e.g. blog post).

- **Training services**: perform technical training on side-channel analysis to a novice to expert audience. Develop new training content and improve existing training courses for our esCoaching offering. We deal with small groups of trainees coming from prestigious international companies (e.g. semiconductor, OEM) and organisations (e.g. academics, gov agencies).

Some projects may require interacting with customers from all over the world.

You're perfect for us, if…

→ Master or PhD in computer science or equivalent.

→ 5+ years of experience in physical attacks on cryptography and other security function targets embedded into a chip.

→ Proficient in side-channel analysis from the hardware setup to the key extraction.

→ Solid background in cryptography.

→ Background knowledge in chip microarchitectures.

→ Experience in reverse engineering is a plus.

→ Python programming.

→ You demonstrate good interpersonal skills that will allow you to work as a team effectively.

→ You have a good writing level in English.

Benefits

✅ Support from professionals in a cutting-edge and booming business sector

✅ Dynamic work environment within a young and friendly team

✅ High performance work equipment

✅ Remote-friendly environment

✅ Flexible working hours

✅ Strong focus on personal development

✅ Meal vouchers

✅ Comprehensive health insurance policy offering extensive medical, dental and vision care coverage

✅ Annual events, snacks and drinks

Interested?

Contact us by sending your resume to

career@eshard.com