



European
Research &
Development

JOB OFFER :

EMBEDDED SECURITY ENGINEER

THE COMPANY

Nintendo European Research and Development (NERD) is a French subsidiary of Nintendo. We create key enabling software technologies for the most innovative and popular game consoles in the world. In close cooperation with other centers of excellence in Japan and USA, we ship bleeding edge solutions, powering new experiences at the heart of the game system, on hundreds of millions of consoles.

Achievements include major contributions in video, computer vision, AI, sensor fusion, cryptography, and emulation for Nintendo 3DS™, Nintendo Switch™, and several other Nintendo platforms. Come and discover our team of highly skilled professionals, working in a privileged environment with a friendly atmosphere in the center of Paris.

POSITION DUTIES

NERD is looking for an Embedded Security Engineer who will contribute to our internal expertise and push the state of the art in the following ways:

- Design and code reviews
- Write code for security projects
- White-box and Black-box testing
- Vulnerability discovery and exploitation
- Cryptographic algorithms/protocols and their modes of operation
- Operating System architecture and security, especially micro-kernels
- Work within an international team to design and implement embedded system security projects

CANDIDATE PROFILE

We are looking for candidates who:

- Are team players
- Are eager to learn, improve their skills and share their knowledge
- Aim for the best but know when to be pragmatic when faced with engineering problems
- Recognize the constraints and tradeoffs of production environments and deploying software to millions of users
- Are perseverant and attentive to detail
- Have a good general computer science culture
- Have a good knowledge of C/C++
- Have a good knowledge of debugging techniques
- Have knowledge in reverse engineering

Bonus points if you:

- Have experience hacking high security embedded systems (ideally video-game consoles)
- Have knowledge about hardware security
- Have knowledge about side channel attacks
- Have experience exploiting browsers

The candidate must be proficient in both written and spoken English.

CONTACT

If you believe you are the right person for this position, please send a resume and a cover letter to jobs@nerd.nintendo.com with **SECU2019** in the subject line.