

Ivan KRIVOKUCA

Embedded/Software Development Apprentice
French Nationality

👤 25 years old 🏠 Île-de-France (near Paris)

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EDUCATION

Master in Computer Science – Cybersecurity & E-Health <i>Université Paris Cité</i>	2023 – 2025 <i>With high honours</i>
Master 1 – Cryptology, High-Performance Computing, and Algorithmics <i>Sorbonne University</i>	2022 – 2023
Bachelor's Degree in Computer Science <i>Université Sorbonne Paris Nord - Institut Galilée</i>	2018 – 2022 <i>With honours</i>
Scientific Baccalaureate with a Specialization in Mathematics <i>Lycée Jean Zay - Aulnay-Sous-Bois</i>	2018

EXPERIENCE

Embedded/Software Development Apprentice <i>Inria, Versailles</i>	Sep 2024 – Sep 2025
<ul style="list-style-type: none">Ported existing software to a new hardware version, ensuring compatibility and performance optimizationConducted testing to validate the functionality and reliability of the ported software on the new hardwareDocumented the porting process and testing results	
Web Developer <i>Aïdemo Consulting, Paris</i>	May 2022 – Jul 2022
<ul style="list-style-type: none">Developed an e-learning platform using jQuery and Bootstrap (front-end), and PHP with MySQL (back-end)Implemented security measures to protect user data, ensuring compliance with best practices in web securityManaged and maintained websites under WordPress, including plugin management, security updates	

SKILLS

Programming Languages: C/C++, Python, Bash/Shell, Java, PHP, x86 Assembly
Tools: Git, L^AT_EX, Docker, Kubernetes, VSCode
Operating Systems: Windows, Debian/Ubuntu
Languages: French (Native), English (Professional/C1), German (Elementary/A2), Serbian (Basic)

CYBERSECURITY

Offensive: Penetration Testing, Exploit Development, Vulnerability Assessment
Defensive: Firewalls (pfSense, iptables), IDS/IPS (Suricata), Forensic Analysis, Reverse engineering, SIEM (QRadar)
Tools: Metasploit, Nmap, Ghidra, Volatility, John, OpenVAS, Hashcat, Wireshark, Burp Suite, gdb, x64dbg
Certification: MOOC ANSSI, CNIL, CEH courses, Cisco CCNA courses

PROJECTS

Active Defense with Honeypot Network 📄	February 2024 – May 2024
<ul style="list-style-type: none">Deployed and configured various low/high interaction honeypots and a Honeynet (T-Pot)Collected and analyzed logs to identify intrusion attempts, attacker techniques, and potential vulnerabilities	
Kubernetes Project 📄 <i>Flask/Python, Docker, Kubernetes, Minikube, MySQL, Nginx</i>	February 2024 – April 2024
<ul style="list-style-type: none">Developed and deployed a web application using Flask (back-end) and Nginx (front-end), integrated with MySQLConfigured and managed containerized deployments using Docker, Kubernetes, Kubectl, and Istio, ensuring scalability, reliability, and high availabilityImplemented security measures with Role-Based Access Control and mTLS	