

# Ivan KRIVOKUCA

Security & Development Engineer

French Nationality

🏠 25 years old 🏠 Île-de-France

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## EDUCATION

<b>Master's Degree in Computer Science – Cybersecurity (Apprenticeship)</b> <i>Université Paris Cité</i>	2024 – 2025 <i>With Highest Honours</i>
<b>Master 1 in Computer Science – Cybersecurity &amp; E-Health</b> <i>Université Paris Cité</i>	2023 – 2024 <i>With Honours</i>
<b>Master 1 – Cryptology, High-Performance Computing, and Algorithmics</b> <i>Sorbonne University</i>	2022 – 2023
<b>Bachelor's Degree in Computer Science</b> <i>Université Sorbonne Paris Nord - Institut Galilée</i>	2018 – 2022 <i>With honours</i>
<b>Scientific Baccalaureate with a Specialization in Mathematics</b> <i>Lycée Jean Zay - Aulnay-Sous-Bois</i>	2018



## EXPERIENCE

<b>Embedded Development Apprentice</b>   <i>Inria, Versailles</i> <ul style="list-style-type: none"><li>Ported embedded DBMS between STM32 architectures with cryptographic security module integration</li><li>Implemented secure coding practices in C environments</li><li>Performed validation testing and performance optimization</li></ul>	Sep 2024 – Sep 2025
<b>Web Developer</b>   <i>Aïdemo Consulting, Paris</i> <ul style="list-style-type: none"><li>Developed an e-learning platform using jQuery and Bootstrap (front-end), and PHP with MySQL (back-end)</li><li>Conducted security audits on WordPress sites and remediated vulnerabilities</li></ul>	May 2022 – Jul 2022

## SKILLS

**Programming Languages:** C/C++, Python, Java, Bash/Shell, PHP, SQL, JavaScript  
**DevOps & Infrastructure:** Docker, Kubernetes, Git, Linux Administration, VMware/VirtualBox  
**Security Tools:** Metasploit, Nmap, Wireshark, Burp Suite, Kali Linux, Ghidra, gdb, OpenSSL  
**Security Solutions:** SIEM (QRadar, Splunk, ELK), IDS/IPS (Suricata), Firewalls (pfSense, iptables), IAM (Okta, SSO, MFA)  
**Technical Expertise:** Penetration Testing, Vulnerability Assessment, Security Auditing, Incident Response, Digital Forensics, Reverse Engineering, Malware Analysis  
**Certifications & Training:** MOOC ANSSI, CNIL, CEH preparation, Cisco CCNA Security  
**Languages:** French (Native), English (Professional/C1), German (Basic), Serbian (Basic)

## PROJECTS

<b>Active Defense with Honeypot Network</b>  <ul style="list-style-type: none"><li>Deployed multi-level honeypot infrastructure (Dionaea, Cowrie, Pentbox) using T-Pot platform</li><li>Analyzed attack patterns including EternalBlue exploits and SSH brute-force attempts using Kibana dashboards</li><li>Implemented high-interaction honeypot with auditd/rsyslog for threat intelligence gathering</li></ul>	February 2024 – May 2024
<b>Secure Microservices Architecture</b>  <ul style="list-style-type: none"><li>Designed and deployed containerized microservices architecture with Flask API, Nginx frontend, and MySQL database</li><li>Implemented service mesh with Istio including mTLS encryption, load balancing, and traffic management</li><li>Configured Kubernetes security features: RBAC policies, TLS certificates, secrets management, and persistent volumes</li></ul>	February 2024 – April 2024