Paul Largillier

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June 29, 2002 (21 years old)
Driving license with own vehicle
Chaville (92370), France

PROFESSIONAL GOAL

Penetration Tester Internship

EDUCATION

2022-2025 **ESILV** *La Défense, France*
2023:
- Master in IOT and Cybersecurity (Quantum Track)
- Relevant course work: Networking (CCNA 1 v7.0), Operating Systems, SCRUM, Securing Embedded Software, Machine Learning, Hilbert Spaces, Fourier Theory, Intro. to Quantum Mechanics.

2022:
- Common Core Engineering Year
- Relevant course work: Python, C/C++/C#, Fourier Theory, Cryptography, Database Management, Introduction to Quantum Computing.

2020-2023 **Lycée Marceau - CPGE MPSI-MP** *Chartres, France*
- Bachelor in Mathematics (L3)
- Relevant course work: Mathematics, Physics, Chemistry, Computer Science, English

Computing
- Participated in CTFs, Ranked 5961 out of 247,144 on ROOT-ME.COM with 1730 points.
- Achieved Top 8% on TRYHACKME, with skills in Junior Penetration Testing and Offensive Pentesting.
- Passionate about Cryptography, Ranked 746 on CRYPTOHACK, and studied Post-Quantum Cryptography.

PROFESSIONAL EXPERIENCE

2023 (06-08) **Capgemini Internship** *La Défense, Issy-Les-Moulineaux, France*
- Assisted in Penetration Testing Missions, drafting Python scripts for enumeration.
- Provided Cryptographic Transition Recommendations for a major air transport subcontractor in Europe, focusing on post-quantum transitions.
- Researched and Implemented Post-Quantum Cryptography using SAGE for GIOPHANTUS within the NIST PQCS framework.
- Collaborated with Frédéric Urvoy de Portzamparc, my Internship Supervisor and Senior Cyber Analyst.

2022-2025 **DaVinci Code** *La Défense, France*
As an active member of ESILV's cybersecurity organization, I organized conferences on Linux system administration and participated in cybersecurity competitions (CTF).

2022-2025 **DaVinci Bot** *La Défense, France*
Within the ESILV Robotics/Electronics organization, I served as the IT Training Lead, drafting documentation on tools like Git/GitHub and Linux, and conducted member training sessions.

SKILLS

Scripting	Python (Advanced), Bash and Perl(Intermediate), Ruby (Beginner)
Security tools	Nmap (Intermediate), Wireshark(Intermediate), Burp Suite (Beginner), Metasploit (Beginner)
Programming	C/C++ (Intermediate), Java(Intermediate), Basic understanding of web languages (JavaScript, PHP…)
Reverse Engineering	Used Ghidra (Intermediate) and GDB (Intermediate) for Reverse Engineering tasks and challenges.
Cryptography	Good understanding of Symmetric and Asymmetric Encryption. Familiarity with SSL/TLS, HTTPS, secure key exchange methods and with algorithms resistant to Quantum computing attacks. Knowledge of Hashing Algorithms
Frameworks	Familiarity with standards and frameworks like NIST, OWASP, MITRE.
Languages	French (native) English (proficient, C1 TOEFL Certified) Spanish (beginner to intermediate)

EXTRACURRICULAR ACTIVITIES, INTERESTS

2023-2025 **Erasmus Student Network (ESN)**
- Engaged as an active member, passionate about culture exchanges.
- Participated in initiatives to welcome international students.
- Joined group excursions to European cities including Budapest and Vienna.

Workout Committed to regular fitness and strength training routines.

Chess Rated 1800 ELO; participated in multiple tournaments.

Reading Passionate about philosophy literature.

Cybernews Annual subscriptions to MISC and Linux Magazine for staying updated with the latest in IT and Linux developments.