

# David Rillh

## Cybersecurity Engineer – Graduate of Centrale Marseille

Passionate about both offensive and defensive cybersecurity, I am looking to join a dynamic team where I can further strengthen my expertise in information security. I am based in **Île-de-France**.

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## Contact

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GitHub: [Dave Real](#)

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## Independent Experience

### HackTheBox Academy – Pentester Path (2024 – Present)

- Hands-on exercises covering web, network and Active Directory pentesting.
  - Techniques: injection (SQLi, XSS), privilege escalation, brute-forcing, fuzzing, pivoting.
  - Writing audit reports that meet professional standards.
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## Professional Experience

### Thales SIX – IT-Security Apprentice (09/2023 – 09/2024)

- Designed and developed Python tools for radio-signal processing.
- Worked with software-defined radios (HackRF One, USRP) and GNU Radio Companion to simulate and analyze attack scenarios.
- Performed functional demos, protocol analysis, and internal documentation.

### CEA Cadarache – Optical-Simulation Intern (06/2023 – 08/2023)

- Conducted material-physics research applied to nuclear energy.
- Performed simulations and developed related software.

### Polytechnique Montréal – Physics Intern (09/2022 – 01/2023)

- Interdisciplinary project on bio-transistors with an international team.
- Carried out experiments, measurements and data analysis using Python.

### Alexander Thamm – Data-Engineering Intern (03/2022 – 08/2022)

- Contributed to machine-learning pipelines development and tests in the context of the Open GPT-X project.
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# Education

**Engineering School, Centrale Méditerranée – ECM (2020 – 2024)**

Specialization: Computer Science, Telecommunications, Statistics.

**Preparatory Classes for Engineering Schools, Lycée Vaucanson (2018 – 2020)**

CPGE – PTSI track (Physics – Technology – Engineering Sciences).

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## Technical Skills

- **Operating Systems:** Linux (Arch, Debian), Windows
- **Programming Languages:** Python, C, SQL, Bash
- **Networking:** Wireshark, Nmap, ZAP Proxy, Metasploit
- **Brute-Force / Fuzzing:** John the Ripper, Hydra, NetExec, ffuf
- **Radio:** GNU Radio, SDR (HackRF One, USRP)
- **Other Tools:** Docker, VirtualBox, VMware, Git
- **Cross-functional Skills:** Pedagogy, Teamwork, Team management

## Languages

- **French** – native
- **English** – fluent (TOEIC 965/990)
- **Spanish** – B2

## Voluntary Involvement

**Christopher.ai (2020 – 2022)**

Delivered deep-learning courses at ECM, worked on computer-vision projects, organized conferences.

**Échanges Phocéens (2021 – 2022)**

Managed a team of tutors for scientific sessions aimed at high-school students preparing for national exams.

## Interests

Piano, guitar | Climbing, running, hiking | DIY, computing, mathematics

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