

Clément CHAPOT

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EDUCATION

University of Oxford <i>MSc in advanced computer science</i> <ul style="list-style-type: none">• Courses: concurrent algorithms, distributed processes, automated formal verification, geometric deep learning, graph representation learning, probabilistic model checking, self-programming agents, <i>etc.</i>	2024 – 2025 Oxford, UK
École polytechnique (<i>France's leading science and engineering school</i>) <i>Ingénieur polytechnicien program, GPA 3.94 (3.98 in CS)</i> <ul style="list-style-type: none">• Cybersecurity track: cryptology, networking, network security, information systems security, OS architecture, compilation, type theory, machine learning, quantum computing, optimization <i>etc.</i>	2021 – 2024 Palaiseau, France
Lycée Louis-le-Grand <i>Preparatory classes, GPA 3.95</i> <ul style="list-style-type: none">• Two-year undergraduate intensive course in Mathematics, Physics and Computer Science	2019 – 2021 Paris, France

EXPERIENCE

Computer Science Research Intern <i>University of Neuchâtel</i> <ul style="list-style-type: none">• Formally verified two Linux kernel drivers (rnull, rnvme) written in Rust	Apr. 2024 – July 2024 Neuchâtel, Switzerland
Deep learning & Computer vision Research Intern <i>STMicroelectronics</i> <ul style="list-style-type: none">• Contributed to a Python/TensorFlow computer vision research project (loss, mathematical representation)	June 2023 – Sep. 2023 Crolles, France
System administrator <i>Binet Réseau (École polytechnique's computer science association)</i> <ul style="list-style-type: none">• The <i>Binet Réseau</i> provides services to the students (cloud computing cluster, social network developed in house, DNS, self-hosted gitlab, nextcloud...) and hosts 120+ websites on premise for the other associations	Nov. 2022 – Dec. 2023 Palaiseau, France
Student telecommunications engineer <i>École polytechnique's Space Center, IonSat project</i> <ul style="list-style-type: none">• In charge of the telecommunications division of a 6U Cubesat project with a budget of over 1M€	Sep. 2022 – Apr. 2023 Palaiseau, France
Mathematics oral examiner in preparatory classes <i>Lycée Louis-le-Grand</i> <ul style="list-style-type: none">• These exams aim to teach students to solve difficult exercises and to improve their communication skills	May 2022 – June 2022 Paris, France
Mathematics and Physics teaching assistant <i>Lycée Henri-Parriat</i> <ul style="list-style-type: none">• Taught math and physics to promising undergraduates from disadvantaged social backgrounds• Organized a math-related event for 500 school children to stimulate their interest in mathematics	Oct. 2021 – Mar. 2022 Montceau-les-Mines, France

TECHNICAL SKILLS

Programming languages: Rust, OCaml, C, C++, Python (TF), Java, Go, Scala, TypeScript (React), Bash, Coq
Other technologies: Linux, Docker, Podman, Git, SaltStack, DNS, LDAP, FreeIPA, reverse proxies, firewalls ...

LANGUAGES

French: native speaker **English:** C2 (TOEFL 115/120) **German:** B2

PRIZES

French national mathematical olympiad – *Bronze medal* 2018

HOBBIES

badminton, hiking, cycling, board games (chess), self-hosting, programming, woodworking, cooking