

Mathieu CHANAVAT



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PROFILE

I am a young graduate student looking to start my career near Vancouver. I have a wide variety of skills related to new technologies, and I am a quick learner.

My strong interpersonal skills allow me to communicate well and quickly understand the tasks at hand.

COURSEWORK

Mathematics

Logic, analysis, algebra, category theory, linear algebra, ...

Computer science

IA, data science, functional programming, theoretical computer science

Physics

Classical mechanics, electromagnetism, thermodynamics

SOFTWARE SKILLS

Python, C, C++, Java
HTML, CSS, JavaScript, PHP
GitHub
SQL

SOFT SKILLS

Creativity
Teamwork
Time management
Planning
Rigor

LANGUAGE

French (native)
English

HOBBIES

Fictional and scientific writing
Climbing
Philosophy
Chess

EDUCATION

2021 - 2022 - MASTER'S DEGREE IN COMPUTER SCIENCE AND LOGIC - UNIVERSITY OF PARIS

Category theory, proof theory, functional programming, theoretical computer science

2018 - 2022 - MASTER OF SCIENCE (MSc) - ÉCOLE CENTRALE LILLE

General engineering with emphasis on computer science, artificial intelligence and data science. Graduation in 2022.

2020 - 2021 - MASTER'S DEGREE IN MATH - UNIVERSITY OF LILLE

Functional analysis and advanced probabilities.

2018 - 2019 - BACHELOR'S DEGREE IN MATH - UNIVERSITY OF LILLE

Algebra, analysis and topology courses. Granted with high honors.

2015 - 2018 - CPGE MATHS/PHYSICS - LYCÉE BLAISE PASCAL

Intensive classes in maths, physics and informatics for three years after graduation in Clermont-Ferrand (France).

WORK AND VOLUNTEER EXPERIENCES

SUMMER 2021 | RESEARCHER IN CS | CIIRC - PRAGUE

Developed new computational tools to investigate an open problem in mathematics

SUMMER 2020 | MATH WEB DEVELOPER | KWYK

Developed and coded math exercises in Python for educational startup Kwyk.

2019 - 2020 | TUTOR OF A MATH LESSONS | ÉCOLE CENTRALE LILLE

Taught of weekly lessons in mathematics to more than twenty international students, to help them catch up on French prerequisites to college mathematics.

2019 - 2020 | MEMBER OF THE STUDENT COUNCIL | ÉCOLE CENTRALE LILLE

Coordinated event logistics for students in École Centrale Lille.

SINCE 2018 | PRIVATE TUTOR IN MATH AND PHYSICS

Conducted private lessons in math and physics to students in high school and post-graduation.