

CIFRE PhD candidate



Mathis Brichet

+33 6 02 66 97 62

mathis.brichet@enpc.fr

13 Léon Vincent avenue,
92370 Chaville

SKILLS

Code : Julia, Python, Java, C++

Solvers : Gurobi and CPLEX

Web : Flask, Django, HTML, CSS

Development : Kanban, Git
Workflow, Azure DevOps

Office : Microsoft 365 Suite
(Teams, Word, PowerPoint,
PowerBI, etc.)

Others : Driver's license, Youth
Worker diploma, First Aid
certificate

LANGUAGES

English : Advanced level (C1,
TOEIC score 945)

Spanish : Intermediate level
(B1)

Hobbies

Sports : Volleyball and Running

Music : Tuba (12 years old)

EDUCATION

CERMICS / Renault – PhD (CIFRE) in Applied Mathematics

November 2023 – November 2026

Operational Research and Machine Learning applied to the long-term planning of the global upstream Supply Chain at Renault (Network Design)

CNAM / IP Paris – Parisian Master of Operational Research (MPRO)

September 2022– September 2023

Areas studied : Mathematical Programming, Graph Theory, Stochastic Optimization, Scheduling, Queuing, Network Optimization, Meta-heuristics, Constraint Programming.

Ecole des Ponts ParisTech - Applied Mathematics, Optimization option

September 2019 – September 2023

Areas studied : Operations Research, Optimization, Machine Learning, Statistics, Data Analysis, Programming, Game Theory.

PROFESSIONAL EXPERIENCES

Renault / CERMICS – Optimization of the Upstream Supply Chain

May 2023 – October 2023 (End-of-study internship)

Modeling the long-term planning problem of the global upstream supply chain and implementation of a first resolution strategy

SNCF – Improvement of a Freight planning optimization tool

January 2022 – July 2022 (Gap year internship)

Modeling and implementation of a timetable repeatability problem in a Freight resource planning module

ArcelorMittal France – Development of a recipe tool for mathematical models at the Dunkirk production site

June 2021 – December 2021 (Gap year internship)

Development of an application (web-service) allowing the tuning of parameters, the recipe of mathematical models and the visualization of KPIs

Ministry of Education – CPGE Interrogator in Physics

September 2019 – June 2021

Preparing students to the entrance exams of top French Engineering schools

VOLENTEERING

French Scouts – Scout leader of 25 young scouts and management of the summer camp

September 2020 – August 2024

Student's Union - Communication Manager

January 2020 – April 2021

French Scouts - International Solidarity Project (team of 7 people)

September 2016 – June 2018 (Organization) and July 2018 (Realization)