Mike HUTTENSCHMITT

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About me

I am currently doing a joint degree at *Télécom SudParis* and *Ecole Normale Supérieure de Paris-Saclay*, I study Statistical learning and signal processing. I want to work on maths and its applications in engineering fields.

I am passionate about : sewing, woodworking, mathematics, martial arts.

Education

Ecole Normale Supérieure Paris-Saclay, MVA master — Sept 2024 – Sept 2025

- **Coursework:** Signal processing, Mathematics, Deep learning

Télécom SudParis, French grande école — Sept 2022 – Sept 2025

- **Coursework:** Signal processing, Statistics, Data analysis

Lycée Albert-Schweitzer Mulhouse, French preparatory classes — Sept 2022 – Sept 2025

- **Coursework:** Mathematics, Physics (MPSI/MP*)

Experience

Research internship, CITI dept Télécom SudParis — June 2005 – Aug 2024

- Convex optimisation research, exploration of the stability of the set of partially critical point for regression objective function w.r.t. sign gradient descent.

Handwork club president, Bricol'INT — March 2023 – March 2024

- Realisation of decor for events.
- Teaching CAD and machining (CNC milling and laser engraving)

Labourer, worker internship, Citton AG, Swiss — July 2023 – Aug 2023

Projects

Strength of materials simulation for beam assembly — github.com/PRO3600fablab

- First year programming project a Télécom SudParis with four teammates . The project consists of an interface allowing the user to describe a beam structure and the forces applied to. The software render the deformation with a 3D mesh.
- Tools Used: C++, OpenSCAD, SFML

Skills

Languages: C++(SFML), Python(Pygame, Pandas, PyTorch,Scipy)

Technologies/Software: Fusion360, SQL, CURA

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