



SAUNIER Arthur

PhD student
IFPEN
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EDUCATION

- **École des Mines-Télécom de Lille Douai** 2017-2018
1st year of engineering school
- **Master I & II of applied mathematics UPMC** 2018-2022
specialization in PDE's and their numerical resolution

INTERNSHIP

- **Istar capital** 2018, 1 month
"company discovery" Paris , France
- **OLALA Ice rolls** 2019, 2 months
Manager Paros, Greece
- **IFPEN** 2022, 5 months
Thesis Preparation work Rueil-Malmaison, France

THESIS

- **\mathcal{H} -matrix applied to advection diffusion problems with dominant advection** 2022-2025
IFPEN-Sorbonne université
– Supervisors : X.Claeys (director), A.Anciaux, I.Ben-Gharbia, L.Agelas.

TECHNICAL SKILLS

Languages: English (B2 , 980/990 TOEIC) , Spanish (C2)
Programming Language: C++ , Python , MatLab
Developer Tools: HTOOL , FreeFem, Gmsh, open-MP
Cloud/Databases: git
Soft Skills: Creatif, team work, time management

PROJECTS

- **HTOOL C++** modules for \mathcal{H} -matrices , developed by P.Marchand
- **Domain partitionning algorithms** clustering data's routines

ACTIVITIES

- **Rugby** Competition
- **Ski** Competition
- **Piano**
- **Tutor** Maths , Physics, Programming