



# Alexandre Blanc

IMT Nord Europe (prev. IMT Lille Douai) senior engineering student



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A conscientious but ambitious 22-year-old person able to take responsibility and initiative. Not only computer literate and confident in public speaking, but also an easy-to-work-with individual who values mutual understanding. Possesses a keen sense of critical thinking and creativity.

## SKILLS

### Programming:

Python | Java | SQL  
Excel VBA | Matlab  
AsciiDoc

### Modeling:

SolidWorks | Qgis  
Simulink

### Calculation:

Excel | Geogebra  
Regressi

## SPECIFIC KNOWLEDGE

- \* Linux (advanced user)
- \* communication chain
- \* signal theory and processing
- \* OSI model
- \* Electronic components

## LANGUAGES

**French:** native

**English** (written & spoken)

level C1

TOEIC score : 920

**Spanish** (written & spoken)

level C1

## HOBBIES

karate | trekking  
retro-engineering  
high-fidelity  
gastronomy

## Academics



**IMT Nord Europe, Lille – Douai**

SEPTEMBER 2021 – AUGUST 2024

*Engineering degree (master)  
telecoms & networks course*



**3<sup>rd</sup> year (ongoing):** Management and information systems security training, including networks and cryptography | data mining and cyber risk analysis case studies | IoT and mobile communications course (standards and challenges, including practical case): IEEE 802.15.4 / 4G / 5G / network planning | business engineer specialized teaching, featuring purchasing, sales, and negotiation workshops



**2<sup>nd</sup> year:** Introductory course on graphs and cryptography | Training on digital and wireless communications, as well as compression and error correction methods | Optic fibers performance indicators and characteristics study | Optional session about globalized economy and geopolitics | Inter-campus business creation challenge



**1<sup>st</sup> year:** Introduction to accounting, project management and corporate socio-economic science | Statistics and programming (Java, SQL, Matlab) lessons and drills | Industrial, materials, energy and computer sciences elementary teaching | Focus on digital simulations and the OSI model



**Lycée Saint-Louis, Paris**

SEPTEMBER 2019 – MAY 2021

*Preparatory classes MPSI ~ MP\**

An intensive two-year curriculum emphasizing mathematics, physics, and engineering science, along with a comprehensive English teaching.

## Internships

**Engineer-assistant, Sipartech**

APRIL 2023 – AUGUST 2023

Teamed up with the presale department of an optic fiber operator. Drew optical routes and priced technical solutions for clients. Developed the deployment cost calculation software in Excel VBA. Became familiar with GIS software (Qgis) and the operational procedures (civil works, manhole operations, etc)

**Corporate knowledge, Antony Développement Électronique**

JUNE 2022 – AUGUST 2022

Full immersion in a small company on the HVAC market. Discovered the engineer, accountant, and salesperson respective roles. Set up a website. Programmed Microchip microcontroller. Performed diagnostics, tests, electronic components placement and soldering on circuit boards.