

Quentin LAO

Third-year student at Ecole Polytechnique

Creative and **curious**. Highly motivated student with computer science experience from the past. Possessing **team-work** skills and high **technical** skills in data science.



(+33) 7 62 58 96 02



73 Boulevard des Maréchaux,
91120 Palaiseau, France



quentin.lao@polytechnique.edu



www.linkedin.com/in/qlao/



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</> Programming languages

Python • C/C++ • \LaTeX

MongoDB • SQL • OCaml • Java

VBA • Lustre

Softwares

- Microsoft Word, Excel, PowerPoint
- Uppaal
- \LaTeX
- Adobe Photoshop, Lightroom, Premiere Pro, After Effect, Illustrator
- Audacity, Logic Pro

Languages

- French (Native proficiency)
- English (Professional working proficiency)
- Chinese (Limited working proficiency)

Education

2020 - Present **Ecole polytechnique**

Palaiseau, France

Top-ranking university-level school

Ingénieur Polytechnicien Program (3rd year)

Relevant courses : *Fundamentals of Modern Computer Networking, Cybersecurity, Machine & Deep learning, Computer Architectures & Operating Systems, Safe Intelligent Systems, Statistics & Modeling of stochastic processes*

2018 - 2020 **Lycée Henri-IV**

Paris, France

Classes préparatoires aux grandes écoles (MPSI/MP)

A two-year intensive program in science (maths/physics) to prepare for nationwide competitive exams.

2017 - 2018 **Ermitage international School of France**

Maisons-Laffite, France

Baccalauréat S (equivalent to high school diploma) with high honors.

Maths, Physics, Biology, Chemistry

Experience

June 2022 - **Junior consultant (People & Strategy)**

Paris, France

August 2022 **BearingPoint**

- Led the design of a PMO-level dashboard to improve the coordination and reporting of project managers for an industry-leaders in vehicle glass repair and replacement.
- Collaborated in a mission of pricing calculation as part of a demerger requested by a French multinational hospitality company. Interviewed head accountants of the company's different international headquarters and analyzed their invoicing.

Dec 2020 - **IT developer (research work)**

Lyon, France

Mar 2021 **Ministry of the Armed Forces**

- In a team of 4, established a state of the art of bot recognition in order to develop a Twitter bots detector using Machine Learning (Supervised Learning) and wrote a final paper that summarizes the project.
- Structured and managed databases in MongoDB which are able to store the information of thousands of Twitter accounts used to train the algorithm.

Projects and Achievements

</> BCG Gamma Hackathon (our team arrived at the **2nd place** in the final ranking) : mission on delivery optimization for a client using Machine Learning.

</> Collaborative project for the startup *Accenta*: optimization of a low-carbon building heating using reinforcement learning (PPO)

</> Kaggle competition in team (**Top 10 out of 58 teams**): Prediction of number of retweets using Machine Learning

Hobbies

🎵 Yearly piano concert (for 8 years)

📺 Video association of students of Ecole Polytechnique (JTX): as director of photography, I directed several short films

🏐 Playing in volleyball team of École Polytechnique (6 hours of training a week)