

# Gabriel FIASTRE

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Highly motivated French student, I am starting a PhD in the WILLOW group (Inria, ENS). I am particularly interested in Computer vision, Representation Learning, Object-centric representations, Generative Models, Video Understanding and Video Prediction..

## EDUCATION

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### INRIA, ECOLE NORMALE SUPERIEURE – P.H.D, WILLOW GROUP

Paris

*P.h.D in Computer Vision in the Willow group following a 6-month internship. Advised by Antoine Yang and Cordelia Schmid, I work on unsupervised object discovery and object-centric representations.*

Apr. 2023 - present

### PARIS DAUPHINE UNIVERSITY, ECOLE NORMALE SUPERIEURE - MSc. MASH

Paris

2022 - present

- **First semester** : Object recognition & Computer Vision (I. Laptev, C. Schmid, J. Ponce, J. Sivic), Learning Theory (F. Bach), High dimensional statistics (V. Rivoirard), Graphical models (F. Rossi), Optimization for Machine learning (G. Peyre), Communicating Data & Statistics (A. Gelman)
- **Second semester** : Deep learning for image analysis (E. Decenciere), Natural Language Processing (A. Allauzen), Generative models for images (B. Galerne, V. De Bortoli), Applied Bayesian statistics (R Ryder)

### PARIS DAUPHINE UNIVERSITY – MSc. 1<sup>ST</sup> YEAR IN APPLIED MATHEMATICS (STATISTICS & DATA-SCIENCE)

Paris

2021 – 2022

- Major in Statistics : Monte Carlo, Markov Chains, Statistical learning, Modelling, Stochastic calculus ...
- International track. Minors : C++ programming, portfolio management, sports

### PARIS DAUPHINE UNIVERSITY – BACHELOR IN APPLIED MATHEMATICS AND COMPUTER SCIENCE

Paris

2018 – 2021

- Major in mathematics : Algebra, Analysis, Probability, Statistics, Topology, Differential equations...
- Minor in computer science : Python, C, R, Databases, Unix, Linear / Fonctionnal programming ...

### LYCEE HENRI IV

Paris

2011-2018

- French Baccalaureate (Mathematics and Science series) obtained with Highest Honours
- European section (German language & culture) and Computer Science option

## PROFESSIONAL EXPERIENCE

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### ALTUS GROUP – INTERNSHIP

London, remote

*DevOps team distributed in Houston, London, Paris, Hyderabad, etc.*

Summer 2021

*Understanding of the group operations and processes, then various tasks as a member of DevOps team*

2 months

- Cloud computing & Infrastructure as a Code : Automation of various processes using AWS services, python scripts (SDK boto3), command line interface ...
- Infrastructure provisioning automation with Terraform

### ORESIS GROUP – FIXED TERM CONTRACT

Paris

*Data management mission for the head of nuclear production direction of a major french electricity producer*

Summer 2019

- Implemented a management dashboard using Power BI in order to improve decision making on powerplants maintenance operations
- Held the meetings with the client to define the needs, validate the POC and prepare implementation

2 months

### MATHEMATICS And Other COURSES – PRIVATE TUTOR

Paris

- Giving private lessons in Algebra, Python, Physics and German

Sept. 2017 - present

## EXTRACURRICULAR ACTIVITIES

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### DAUPHINE SPORTS SOCIETY – GENERAL SECRETARY

Paris

*Oldest student's society of the Paris IX Dauphine university, 30 members and more than 1,000 Alumni*

Oct. 2018 – Sept 2021

- Managing \$15,000 Budget to organize inter-university events
- Seeking sponsorships partners, advertising events, managing diverse Social Media

### PASSION FOR SPORTS

- Karate (Black Belt), University soccer competitions (member of Dauphine's soccer team)
- Mountaineering treks in the Alps : Ecrins, Chamonix, Vercors

2006-present

2018-present

## RELEVANT SKILLS

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### LANGUAGES

**French** (Native), **German** (C1 Diploma), **English** (C1 Level : 110/120 in **TOEFL IBT**)

**STANFORD UNIVERSITY ONLINE / COURSERA** – MACHINE LEARNING CERTIFICATE (ANDREW NG)

2022

### IT SKILLS

- **Unix, Git, AWS & Cloud computing, Jupyter/Colab, Terraform, Microsoft Power BI, VSCode, Rstudio, Xcode ...**
- **Python** (Advanced), **R, C, C++, SQL, Matlab** (Basics), **Haskell** (Basics), **SAS** (Basics), **web programming** (Basics) ...