# Luc **Blassel**

BIOINFORMATICS PHD STUDENT

*Paris   FR*

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## Experience

**Institut Pasteur**                                                                                           *Paris France*

PHD STUDENT                                                                                                    *Jan 2020 - Now*

- **Using machine learning for biological sequence analysis.**
- Funded by the Paris AI Research Institute (PRAIRIE)
- Goal: using deep learning for more accurate contest-aware protein sequence alignment
- *More at this link*

**Institut Pasteur**                                                                                           *Paris France*

RESEARCH ENGINEER                                                                                             *Apr 2018 - Dec 2019*

- **Using machine learning and big data to explore the drug resistance landscape in HIV.**
- Using ML methods to find new Drug resistance mutations
- Presentation of the project at MCEB 2019 conference
- Usage of Snakemake pipelines in a SLURM HPC environment
- *More at this link*

**CapitalData**                                                                                               *Paris France*

DATA SCIENTIST INTERN                                                                                          *Mar 2017 - Aug 2017*

- **Development on automated data validation and anomaly detection pipelines using R, Golang and Python.**
- Usage of R caret and Python scikit-learn libraries
- Internal client-oriented reporting with MySQL, BIME, Periscope and Mode
- *More at this link*

## Education

**Paris Dauphine University**                                                                                  *Paris France*

MASTER IN SCIENCE: MACHINE LEARNING                                                                           *Sep 2017 - Aug 2018*

- Reinforcement learning
- Data Mining
- Deep learning
- Double diploma with AgroParisTech
- score: 15.58/20   -   more information at this link

**AgroParisTech**                                                                                             *Paris France*

DIPLÔME D'INGÉNIEUR: BIOLOGY - MACHINE LEARNING                                                               *Sep 2014 - Aug 2018*

- Microbiology
- Immunology
- Projects in Java, C and Matlab
- Advanced statistics and linear modeling
- Machine learning
- score: 15.58/20   -   more information at this link

**École Saint Hilaire**                                                                                        *Paris France*

NATIONAL COMPETITIVE EXAM: BCPST PREPARATORY CLASS                                                            *Sep 2011 - May 2014*

- ranked 201/1967 (Veto)
- ranked 481/2991 (Agro)
- more information at this link

## Languages

|         |             |                                                       |
|---------|-------------|-------------------------------------------------------|
| English | **Native**  |                                                       |
| French  | **Native**  |                                                       |
| German  | **B1**      | 1 mo. program at Goëthe Institute in Germany          |
| Chinese | **Intermediate** | 5 and 1 mo. programs in Shanghai SISU and Beijing UIR |