Luc **Blassel**

MACHINE LEARNING · BIOINFORMATICS

Paris FRANCE

+33 6 59 68 91 01 | luc.blassel@gmail.com | www.lucblassel.com | lucblassel | luc-blassel | French and American nationalities

Education

Paris Dauphine University   *Paris, France*

MSc IN MACHINE LEARNING (**ISI** RESEARCH MASTER)   *2017 - 2018*

- Double diploma with AgroParisTech
- Graded 15.82 out of 20
- Theoretical courses on different aspects of machine learning
- Reinforcement learning, data mining, deep learning, metaheuristics
- Research internship at the Institut Pasteur

AgroParisTech, Paris Institue of technology for life, food and environmental sciences   *Paris, France*

"INGÉNIEUR AGRONOME" DIPLOMA   *2014 - 2018*

- Last year specialization: Data science, machine learning and data mining (IODAA specialization) double diploma with Paris Dauphine University
- Graded 15.58 out of 20
- Advanced courses in statistics and linear modeling
- Elective courses in:
    - human health: microbiology, immunology
    - programming projects in Java and C
    - engineering through simulations using Matlab

National competitive exam   *Paris, France*

AGRONOMY-VETERINARY STUDIES   *May 2014*

- Veterinary exam: ranked 201 out of 1967
- Agronomy exam: ranked 481 out of 2991
- After 2 years of BCPST preparatory class with advances courses in:
    - mathematics (calculus and linear algebra)
    - physics and chemistry
    - life sciences

Experience

Institut Pasteur   *Paris, France*

GRADUATE RESEARCHER THEN RESEARCH ENGINEER   *Apr. 2018 - current*

- Study of drug resistance phenomena in HIV-1 *pol*-RT sequences using machine learning
- Continuation of research work done in a masters research internship
- Poster presentation of project at MCEB 2019
- Paper currently in redaction
- Implementation using Python and R within Snakemake pipelines
- Usage of SLURM High performance computing cluster

CapitalData   *Paris, France*

DATA-SCIENTIST INTERN   *March - August 2017*

- Development of data validation method and automated anomaly detection in R and Golang
- Automated statistical testing using Python
- Internal and client-oriented reporting using BIME, MySQL, Periscope and Mode
- Data Visualization

Self employed   *Paris, France*

TUTOR   *2016 - 2018*

- Tutoring high school students in Mathematics, Physics and Chemistry
- Tutoring in English grammar and conversation

Languages

English	**Native**	
French	**Native**	
German	**B1 level** (1 month Schwäbisch Hall Goëthe Institut linguistic program)	*Germany*
Chinese	**Intermediate level** (5mo & 1mo language programs, at SISU *Shanghai* and UIR *Beijing*)	*China*