

ADÈLE MORTIER

+33 6 95 01 66 56 ◊ adele.mortier@gmail.com

39 rue Saint Fargeau ◊ 75020 Paris, France

[webpage](#) ◊ [GitHub](#)

EDUCATION

Télécom ParisTech

September 2014 - Present

Parisian Master of Research in Computer Science, with a major in logic and semantics. This program includes advanced courses in linear logic, denotational semantics, functional programming, type systems, natural language modeling through formal methods.

HEC Paris

September 2016 - July 2017

Master of Management “Grande Ecole” (first year of Master’s degree). This common core curriculum introduces to marketing, strategy, finance, accounting and law. It comes along with elective courses (*e.g.* Philosophy of mind).

Université Paris 3 Sorbonne Nouvelle

September 2014 - Present

BA in Modern literature, obtained with highest honors in 2017. The program involved courses in linguistics, literary history and comparative literature.

Lycée Saint Louis

September 2012 - July 2014

Advanced training in mathematics, physics and engineering sciences.

INTERNSHIPS

Heuritech

July 2017 - August 2017

Internship in the research team of a French startup specialized in image recognition for fashion and luxury. Implementation of a data clustering pipeline for style classification.

Novosibirsk State University

July 2016 - August 2016

Research internship in the field of computational genomics. Preprocessing (*i.e.* filtering and trimming), alignment and variant detection on DNA sequences that came from cardiac and Parkinsonian patients.

Novosibirsk State University

July 2015 - August 2015

Research internship on the topic of inverse problem solving applied to biology. Modelling of within-host HIV infection, through function optimization. This led to implement a custom pipeline including a non-linear differential system solver (Runge-Kutta order 5) and an optimizer (Nelder-Mead simplex) in C++.

PUBLICATION

Inverse problem of immunology - HIV dynamics

November 2015

Article on within-host HIV infection. Written during my first internship at Novosibirsk State University, published in a local journal (Journal of Inverse and Ill-posed Problems) and presented in the 2015 International Conference on Biomedical Engineering and Computational Technologies (SIBIRCON).

COMPLETED ONLINE COURSES

Introduction to Neuroeconomics – HSE@Coursera

Brain anatomy, decision processes, study of social interactions and cooperation.

Introduction to Linguistics – KNAW@Coursera

Comparative linguistics with respect to syntax, phonology, pragmatics.

Understanding the Brain – UChicago@Coursera

Functional neuroanatomy of the brain and the nervous system.

Machine Learning – Stanford@Coursera

Theoretical and applied machine learning algorithms (gradient descent, regression, neural networks, SVMs etc.) using Matlab.

Game Theory – Stanford@Coursera

Normal and extensive form games, repeated games, Bayesian games...

Social and Economic Networks – Stanford@Coursera

Social networks analysis through graph theory and game theory.

Algorithms for DNA Sequencing – Johns Hopkins@Coursera

Text-based algorithms for DNA sequencing using Python.

TECHNICAL SKILLS

Programming Languages	Python, C++, Coq, HTML, CSS
Software	L ^A T _E X, MS Word, MS Excel
Languages	French, English (C1), German (B2), Russian (A2)