

Judith Abécassis

Student at Mines Paristech in bioinformatics

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25 Juillet 1991 (24 years old)

Current education (2015 -)

PhD student in Bioinformatics *Mines Paristech/ Institut Curie*

supervised by Jean-Philippe Vert and Fabien Reyat

"Subclonal reconstruction to better assess tumoral heterogeneity, and its implication in breast cancer prognosis and treatment."

Past education

2014 – 2015 **Master Degree in Machine Learning and Computer Vision**, *École Normale Supérieure de Cachan*.

2014 – 2014 **Complementary computer science courses**, *École Normale Supérieure de Paris et Université Pierre et Marie Curie (Paris VI)*.

2012 – 2013 **1st year Master Degree in Biology**, *École Normale Supérieure de Paris et Université Pierre et Marie Curie (Paris VI)*.
Spécialité Biologie cellulaire et moléculaire (génétique, génomique, évolution et bioinformatique).

2011 – 2012 **Bachelor Degree in Biology**, *École Normale Supérieure de Paris et Université Pierre et Marie Curie (Paris VI)*.

2009 – 2011 **Classe Préparatoire BCPST**, *Lycée Henri IV (Paris)*.
Biology, Chemistry, Physics et Geoscience.
Succeeded in all competitive exams (AgroParisTech et ENS).

Professional experience

sept 2015 – **Teaching assistant in computer science – BCPST 2nd year**, *Lycée Henri IV (Paris)*.

Programming project course in Python

2014 – **Teaching assistant in computer science – BCPST 1st year**, *Lycée Henri IV (Paris)*.

Introduction to programming in Python

August 2013 – **Intern Data scientist – tinyclues**.

June 2014 supervised by David Bessis and Artem Kozhevnikov.

Main assignments:

- exploratory analyzes on new data types,
- development of applications to meet non-standard client needs,
- optimization of machine learning algorithms' performance in existing applications,
- setting up of quality control procedures on client-facing applications,
- setting up of a pipeline to automate parametrization steps in new client setup.

2013 **Six-month internship (Master 1)**, *Max Planck Institute for molecular Genetics*, Evolutionary Genomics group, supervised by Peter Arndt.
Analysis of clonally related antibody sequences.

2012 **Teaching assistant in computer science – BCPST 2nd year**, *Lycée Henri IV (Paris)*.

Programming project course in Matlab

2012 **Two-month internship (Bachelor)**, *Institut de Biologie de l'ENS (IBENS, Paris)*, DYOGEN Team supervised by Hugues Roest Crolius.

Study of the influence of some genomic parameters on the occurrence of evolutive breakpoints.

Languages

Anglais **fluent**
Allemand **intermediate**

Computer science skills

Languages Python, Matlab, R, bash – knowledge C, PHP, HTML
Databases MySQL
OS Windows, Linux, Mac OS