William Aufort

Current situation

2017 - 2018	**High-school teacher in mathematics**, *Lycée Jean-Baptiste Corot*, Douai.
2017 - 2018	**Teaching assistant in computer science**, *Lycée Henri Wallon*, Valenciennes.
	I create pratical works for students in computer science and I supervise a group of 15 students in order to prepare them for entrance exams of French engineering schools.
2017 - 2018	**Oral practise sessions in mathematics**, *Lycée Henri Wallon*, Valenciennes.
	I provided weekly guidance to students in first year of french "Classes préparatoires aux grandes écoles".

Teaching experience

2015 - 2017	**Oral practise sessions in mathematics**, *Lycée de Saint-Just*, Lyon.
	I provided weekly guidance to students preparing for oral entrance exams of French business schools.
2013 - 2014	**School support in mathematics**, Lyon.
	Inside an association of the ENS Lyon, I gave each Saturday school support in mathematics to pupils of secondary education.
2010 - 2013	**Maths tutor**, Maubeuge (France).
	I gave private lessons in mathematics to pupils from secondary school. I had to prepare courses and tests adapted to each student, and also to correct exercises.

Research experience

Febr - June 2017	**Research trainee**, *Laboratoire de l'Informatique du Parallélisme (LIP)*, Lyon.
	During 6 months, under the supervision of Pascal Koiran, I studied combinatorial properties of Newton polygons associated to bivariate polynomials.
Summer 2015	**Research trainee**, *Universitat Politecnica de Catalunya (UPC)*, Barcelona (Spain).
	During 3 months, under the supervision of Jordi Cortadella, I studied hybrid approaches to solve boolean formulations of routing problems.
Summer 2014	**Research trainee**, *LIRIS*, Lyon.
	During my 6 weeks first experience of research under the supervision of David Coerjolly, I have compared different local thickness functions on 3D objects.

Education

2016 - 2017	**Master 2 of theoretical computer science**, *Ecole Normale Supérieure de Lyon (ENS Lyon)*, Lyon (France).
	The ENS Lyon is a leading institution of higher education entrance which is based on a competitive examination. It trains researchers and teachers in the sciences and the humanities.
2016	**"Agrégation"**.
	I got the "Agrégation" in mathematics and computer science, which is a competitive examination for secondary education. Rank : 31/305 admitted
2015 - 2016	**Master 2 in teaching mathematics and computer science**, *ENS Lyon*.
2013 - 2015	**Bachelor and Master 1 of theoretical computer science**, *ENS Lyon*.
2010 - 2013	**"Classes préparatoires aux grandes écoles"**, *Lycée Henri Wallon*, Valenciennes (France).
	Three years of intensive courses preparing for the entrance competitive exam to French engineering schools.

Languages

French	Native language	Spanish	Basic
English	Professional skill	Icelandic	Absolute Beginner

Computer skills

Operating systems	Windows, Linux	Calculations	Maple, R
Programming	C, C++, Ocaml	Documents	LaTeX, Tikz, LibreOffice
Maths	GeoGebra, Scratch, Algobox		

Interests

Travels	Discover cultural inheritance, particularly in France until now.
Sport	Practize of badminton.

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