

Paul Dubois

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EDUCATION

2018-2019: 3rd year BSc in Mathematics University College London

Courses: Functional Analysis, Graph Theory and Combinatorics, Algebraic Number Theory, Probability
Measure Theory, Galois Theory, Multivariable Analysis, Elliptic Curves
Differential Geometry*, Commutative Algebra*

1st Prize for best Poster of Department of Mathematics at UCL

2017-2018: 2nd year BSc in Mathematics University College London

Courses: Real Analysis, Groups and Rings Algebra, Number Theory, Mathematical Methods IV
Complex analysis, Linear Algebra, Fluids Mechanics, Mathematical Methods III
Probability and Statistics*

Grade average: 82%

2016-2017: 1st year BSc in Mathematics University College London

Courses: Analysis I and II, Algebra I and II, Math. Methods I and II, Applied Math., Newtonian Mechanics
Grade average 86% (rank 6)

Undergraduate 1st year Prize in Mathematics (delivered to top 10 students)

2015-2016: 12th Grade at Jean-Pierre Vernant High School, Pins-Justaret (France)

French scientific Baccalaureate, math specialty - with highest honors (Mention Très Bien)

2014-2015: 11th Grade at High School

Jan 2015- July 2015: at International School of Boston (US)

Sept 2014- Dec 2014: at Jean-Pierre Vernant High School (France)

Scholarship Aptitudes Test (SAT), Score in math: 740/800 (top 3%)

RESEARCH EXPERIENCE

Nov 2018 **Hackathon** "Porticode 3.0" at University College London. Prize for best 90's website

Jan-Mar 2018: **Research Assistant** for Susana Vasserman (PhD Candidate at Harvard University, Economics Department) doing Textual Data Analysis with Python

Aug-Sep 2017: **Internship on artificial intelligence & logic** at research lab in computer science "IRIT" of University of Toulouse (France) under supervision of Professor Martin Strecker

Feb 2017: **Winner of Innovation Competition** « Innovez » of the French scientific review "Science et Vie Junior" for a Morse decoding machine (SVJ n°329) - 1000€

2013-2016: **Member of High School Mathematics Club** "Math-en-Jean"
Research & presentation in conferences

VOLUNTEERING AND WORK EXPERIENCE

Jun-Jul 2018: **Kitchen clerk** in the restaurant "La Plage", Venerque (France)

Jun-Jul 2017: **Dishwasher** in the restaurant "La Plage", Venerque (France)

Since 2014: **Member an educative FabLab** info@lèze: Give free courses to primary school students

Since 2011: **European Scouting:** Chief (since 2016), Leader of treetop patrol (2015-2016)

PROGRAMMING KNOWLEDGE

GitHub repository: <https://github.com/pauldubois98>

- **Python:** Oriented Object Programming (OOP), Web scraping, Multi-Threading, Graphical Interfaces (with Tkinter & PyGame), Data analysis, general advanced knowledge
- **C/C++** (mostly for hardware electronics)
- **Java** (mostly for Android Apps)
- **HTML, CSS & JavaScript** (Web)
- **Latex** (and presentations with Beamer)

LANGUAGES

French: Native Speaker

English: Fluent

*course not for credits because only 4 allowed by term