

Paul Dubois

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EDUCATION

2018-2019: 4th year MSci in Mathematics University College London

Courses: Advanced Modelling Mathematical Techniques, Spectral Theory, High-Performance Computing
Representation Theory, Waves and Wave Scattering, Evolutionary Games and Population Genetics
Project in Mathematics on Algebraic Number Theory

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

Grade average: 85%

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 MSci in Mathematics University College London

Grade average: 82%

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

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

Grade average 86% (rank 6)

Courses: Analysis I and II, Algebra I and II, Math. Methods I and II, Applied Math., Newtonian Mechanics
Undergraduate 1st year Prize in Mathematics (delivered to top 10 students)

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

2016 - French scientific Baccalaureate, math specialty - with highest honors (Mention Très Bien)

2015 - Scholarship Aptitudes Test (SAT), Score in math: 740/800 (top 3%)

RESEARCH EXPERIENCE

Jun-Sept 2019: Internship at Airbus, participated in creation of new digital tools

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

Jan-Mar 2018: Research Assistant (at distance) 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€

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: Active member in educative FabLab info@lèze: Give free courses to primary school students

2011-2018: European Scouting: Chief (2016-2018), Leader of treetop patrol (2015-2016)

PROGRAMMING KNOWLEDGE

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

Web Page: <https://pauldubois98.github.io/>

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

LANGUAGES

French: Native Speaker

English: Fluent

*course not for credits because only 4 allowed by term