

Emma Landry

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Education

PhD in Biostatistics (4.0 GPA)

Los Angeles, CA, USA

UNIVERSITY OF CALIFORNIA, LOS ANGELES

Sep. 2021-

- Classes: Introduction to Biostatistics, Mathematical Statistics, Linear Models, Multivariate Statistics.
- Advisor: Prof. Donatello Telesca

MSci in Mathematics (First Class Honours)

London, United Kingdom

IMPERIAL COLLEGE LONDON

Sep. 2017 - Jun. 2021

- Relevant Courses: Methods for Data Science, Statistical Modelling, Scientific Computation, Applied Probability, Time Series, Computational Linear Algebra, Stochastic Simulation, Machine Learning, Bayesian Methods, Statistical Theory
- Thesis: Exploring the effects of Trump support and vaccine hesitancy on the SARS-CoV-2 time-varying reproduction number

French OIB Scientific Baccalaureate with American Option (Mention TB, 19.4/20)

Paris, France

ECOLE JEANNINE MANUEL

Sep. 2003 - Jun. 2017

Skills

Programming R, Python, SAS, Matlab

Languages French (Native), English (Native), Polish (Native), Spanish (C1), Italian (B1), Mandarin (HSK4)

Other Technologies \LaTeX , Git, Linux Command Line, MS Office

Experience

Graduate Student Researcher (GSR)

Los Angeles, CA, USA

UCLA- DEPARTMENT OF BIOSTATISTICS

Oct. 2021-

Research in Bayesian methods for functional data analysis with Prof. Donatello Telesca.

Teaching Assistant

Los Angeles, CA, USA

UCLA- DEPARTMENT OF BIOSTATISTICS

Sep. 2022-

Teaching assistant for the second year PhD class BIostat 250A Linear Statistical Models, taught by Prof. Weng Kee Wong. Responsibilities include leading discussion sessions and grading of assignments.

Peer Tutor

London, United Kingdom

IMPERIAL COLLEGE LONDON- DEPARTMENT OF MATHEMATICS

Oct. 2020- Mar. 2021

Lead weekly sessions with first-year students to help them with their courses and solve problems in a group; support them in their transition to university

Undergraduate Student Researcher (UROP)

London, United Kingdom

IMPERIAL COLLEGE LONDON- DEPARTMENT OF MATHEMATICS

Jun. 2020- Oct. 2020

Project under the supervision of Dr. Seth Flaxman in statistical machine learning. Worked in a team of researchers on the paper titled "Quantifying U.S. Gun Violence Contagion: A Multi-City Study" where gun violence in U.S. cities is modelled using a spatio-temporal Hawkes model, whose parameters are determined using MCMC. Developed in R a KDE, and a Time Series GLM model that allow to bound and estimate some of parameters before inference.

Sales Intern

London, United Kingdom

BOUSSARD ET GAVAUDAN

Jul. 2018

Learnt about the different divisions of the company and functioning of a hedge fund; assisted with pitch for the convertible bond fund; conducted research about momentum and value investing using tools such as Bloomberg, CityWire or Morningstar.

Honors and Awards

- 2022 **UCLA Summer Mentored Research Fellowship (SMRF)**
- 2021-22 **UCLA Graduate Division Fellowship**
- 2020 **1st Prize UROP 3 Minute Thesis Competition** Faculty awarded using University of Queensland 3MT judging criteria
- 2020 **Chris Champion Prize** Annual award for excellent achievement in Mathematics and Sport to an undergraduate student
- 2020 **Department of Mathematics UROP Funding** Grant provided for the undergraduate research opportunity
- 2020 **Union Colour** Awarded for significant and repeated outstanding contributions to the student experience at Imperial
- 2019 **Winton Capital Management Prize for Mathematics** Awarded to the best second year project in the department
- 2014-17 **Jeannine Manuel Award** Awarded to the top 10% of students in the year

Extracurricular Activity

Director of Discretionary Funds

Los Angeles, CA, USA

UCLA GRADUATE STUDENT ASSOCIATION

Oct. 2022-

Responsible for administering, funding, and managing GSA's Discretionary Funds to registered graduate and professional student groups. Other responsibilities include collaboration with the GSA cabinet to promote student groups; assistance and administrative support to the Director of Finance; attendance at the GSA cabinet meetings; maintaining financial guidelines and educating councils on these guidelines.

Volunteer Vice Chair Individual Sports

London, United Kingdom

IMPERIAL COLLEGE UNION- SPORTS SECTOR

Aug. 2019- Jul. 2020

Liaised with 19 sports club Presidents and Treasurers to provide guidance; oversaw the club finances, approving expenditure and managing annual budgeting; worked with the committee to improve sports clubs' experience; organized the 4 ACC Sports Nights, the largest student events at the Union.

Volunteer Treasurer and Second Team Captain

London, United Kingdom

IMPERIAL COLLEGE UNION- LAWN TENNIS CLUB

Aug. 2018- Jul. 2019

- Treasurer responsibility: managing the club's finances (over £35,000 in funds); writing club's budget for the following year as well as submitting grant application; involvement in general running of the club, in particular helping with the organization of social events
- Captain responsibility: running trials and training; responsibility for teams and scores during fixtures; encouraging team spirit and bonding

Involvement in Student Clubs

London, United Kingdom

IMPERIAL COLLEGE UNION

Sep. 2017- Jun. 2021

- Tennis: competing weekly with the Women's BUCS (National League) 2nd team; occasionally also playing for the London League when players needed
- Horseback riding: member of the BUCS team; 4 competitions a year which consist of one dressage test and one jumping round
- Model United Nations: delegate at international conferences such as LIMUN, OxIMUN and CUIMUN