

LUIS TORADA

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EDUCATION

DPhil in Statistics | University of Oxford & Roche **2018 - May 2023**

- Developed statistical and ML methods to accelerate drug-target discovery in collaboration with Roche.
- Discovered 415 new genetic mutations conferring risk for ASD (autism) with [my new method](#).
- 55k scholarship granted by the UK government and Roche.

MSc in Bioinformatics and Theoretical Systems Biology | Imperial College London **2017 - 2018**

- Grade: Distinction.
- Developed the 1st deep learning [method](#) to solve a specific inference problem in Genetics. Cited 90 times.

BSc in Biochemistry | University of Navarra, Spain **2013 - 2017**

- Grade: top 10 of my class.
- Selected for a two-year research program; awarded an internship for the best research paper.

EXPERIENCE

Founding Data Scientist | [Embat](#), Madrid **Jan 2024 - present**

- In charge of developing and deploying statistical and machine learning (ML) models of financial data.
- ~4m forecasted savings and profit generated by a liquidity optimiser that I developed.
- ~10% annual recurring revenue from target clients generated by a forecasting method that I built.
- Key tech-stack: Python, SQL, Google Cloud Platform (GCP), Git, Snakemake and unittest.

Consultant

| Statistical modelling for a local surgeon (Valencia) **Sep 2023**

- Built a recommender system for surgical material based on patients' features (paper submitted).

| Oxford Strategy Challenge 2023 (remote) **Mar 2023**

- Solved a consulting case for a local client in a team of five.

Teacher & Mentor

| Stanford University Centre in Oxford, Remote **Dec 2023**

- Tutored a student in generative AI systems for music generation.

| University CEU, Valencia **Dec 2022**

- Designed and taught an introductory Data Science and Statistics class to Political Science students.

| UNIQ+ programme, University of Oxford **Jul - Aug 2019**

- Mentored an undergraduate student with a disadvantaged background during a month-long research programme in the Statistics Department.

| Branch Up Active programme, Oxford Hub **2018 - 2019**

- Conducted day-long sport and cultural activities for disadvantaged local children.

SKILLS & INTERESTS

Skills: Statistical and ML method development and deployment, research, programming (Python, R, SQL, bash, C, HTML, CSS), unit testing (unittest), workflow automation (Snakemake), version control (Git), cloud computing (GCP, AWS), Agile development, consulting, teaching, mentoring.

Natural languages: English (fluent), Spanish (native), Valencian (fluent).

Interests: data-driven decision making, quantitative trading, market research, music, dancing, people, fitness.