

Adriaan Hilbers

Webpage: ahilbers.github.io ✉ a.hilbers@icloud.com  [Adriaan Hilbers](#)  [ahilbers](#) [Google Scholar](#)

Education

Imperial College London

2018 - present **PhD: Statistics & Machine Learning for Renewable Energy System Optimisation**

- Fully funded by EPSRC Centre for Doctoral Training in Mathematics for Planet Earth.
- 3 first-author papers published. See Google Scholar for papers and Github for code.

2017 - 2018 **MRes Mathematics (distinction)**

University of Oxford

2015 - 2016 **MSc Mathematical and Theoretical Physics**

2012 - 2015 **BSc Mathematics (first class / cum laude)**

International School of Amsterdam

2010 - 2012 **International Baccalaureate (44/45 points, top 0.7% of candidates)**

- Accepted to University of Oxford, Princeton University and Stanford University.
- Rensselaer Medal: \$240,000 scholarship for strongest science student in school.

Relevant Experience

- 2021 **Boston Consulting Group: Visiting Data Scientist**
- 3 months on project developing pricing strategies for automobile producer.
 - Responsible for end-to-end implementation: liaised with client, wrote and integrated code, conducted code review, provided documentation and presented results.
- 2021 **Amazon: Applied Science Intern, Machine Learning**
- Part of James Hensman's machine learning group in Cambridge (UK) for 6 months.
 - Created machine learning model for use in Amazon's global supply chain optimisation.
 - Worked with software engineering team to integrate model into supply chain simulator.
 - Wrote report and presented methods & results to business stakeholders in Seattle.
- 2020 **Imperial College London: Instructor, Coursera course on Tensorflow 2**
- Created video lectures, programming notebooks and self-grading assignments covering the fundamentals of (probabilistic) machine learning, deep learning and Tensorflow.
 - As of February 2022, the course has >25,000 learners and an average rating of 4.9/5.
- 2019 **Alan Turing Institute Data Study Group: Project Facilitator**
- Lead team of 7 data scientists in week-long challenge to create AI/ML methodologies for the automatic evaluation of planning applications for London borough.
- 2019 - 2020 **Energy Journal (energyjournal.co.uk): Director of Content Creation**
- Lead Imperial College side of energy magazine run with other London universities.
 - Oversaw two on-time publication cycles with 1500 physical copies and online release by managing 4 editors and 15 authors to ensure articles are written, edited and advertised.
 - Winner of 2019 Environment Award from Bright Network Society of the Year Awards.
- 2018 - 2019 **Public speaking competitions (2 editions)**
- Setup: solo 3-minute presentation of research in clear and engaging manner.
 - Selected for final (top 15) in competition for all master/PhD students at Imperial College.
- 2016 - 2017 **Roland Berger Strategy Consultants, Amsterdam Office: Consultant**
- Designed framework to use *customer lifetime value* calculations for e-commerce client.

Coding Projects (available on [Github](#))

- Simple benchmark energy system models for renewable energy and time series analysis (python).
- Contributor to Calliope, popular open-source energy modelling framework (python).
- Website to calculate outcomes of large battles in *Risk* board game (javascript, html, css).

IT python (numpy, pandas, sklearn, tensorflow), git, unix/bash, SQL. Basic: c++, javascript, html, css.

Languages Native speaker in English and Dutch. Good command (CEF level B2) of Spanish.

Other Writing: maintain general audience blog about renewable energy (see [personal webpage](#)). Football: played for University of Oxford's first team ("*Blues*"), currently play for local team.