


ABOUT

wessel.p.bruinsma 
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 Wessel Bruinsma 

wesselb.github.io 
 Wessel Bruinsma 
 wesselb 

LANGUAGES

dutch, native
 english

INTERESTS

probabilistic modelling with a focus on time series, Bayesian nonparametrics with a focus on Gaussian processes, approximate inference, probabilistic programming, probability theory, and real analysis

EDUCATION

- | | | |
|---------------|---|---|
| 18/01 – now | PhD | Machine Learning Group, University of Cambridge |
| | • Supervised by Dr Richard Turner | |
| 15/10 – 16/09 | MPhil | Dept. of Engineering, University of Cambridge |
| | • Distinction, class rank 1 / ~20 | |
| | • Machine learning and machine intelligence | |
| 12/09 – 15/07 | BSc (Hons) | EEMCS, Delft University of Technology |
| | • Distinction, class rank 1 / ~100 | |
| | • Electrical engineering with a specialisation in mathematics | |

PROFESSIONAL HISTORY

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|---------------|---|---------------------------------|
| 16/09 – 18/01 | Machine Learning Researcher | Invenia Labs Limited, Cambridge |
| | • Research into modelling multi-output time series, with a focus on electricity markets | |
| 14/09 – 15/07 | Technical Specialist | EEMCS Recruitment Days, Delft |
| | • Design and implementation of solutions to scheduling problems | |
| 13/09 – 14/07 | Electrical Engineer | TU Delft Solar Boat Team, Delft |
| | • Design and analysis of a power distribution system | |
| | • Competed in DONG Solar Energy Challenge 2014 and Solar1 Monte Carlo Cup 2014 | |

AWARDS AND GRANTS

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|-------------|---|
| 2018 – 2021 | International Doctoral Scholarship (IDS) Grant Covering PhD Fees and Stipend |
| 16/03 | UfD – Damen Bachelor Award (EUR 2000) |

SELECTED PUBLICATIONS

- [\[link\]](#) Bruinsma, W. P., Turner, R. E. (2018). “Learning Causally-Generated Time Series,” arXiv:1802.08167.
- [\[link\]](#) Requiema J. R., Tebbutt W. C., Bruinsma W. P., Turner, R. E. (2018). “The Gaussian Process Autoregressive Regression Model (GPAR),” arXiv:1802.07182.

SELECTED PROJECTS

- [\[link\]](#) *Stheno*: Probabilistic programming with Gaussian processes in Python
- [\[link\]](#) *Plum*: Implementation of multiple dispatch in Python

PORTFOLIO

See wesselb.github.io/portfolio for a full overview of my *projects*, *publications*, *arXiv submissions*, *theses*, *slides*, and *write-ups*.