

FLORIAN MOHNERT

Celebesstraat 110 L , 1094EX Amsterdam, the Netherlands
florianmohnert.github.io ♦ mail@florian-mohnert.de

EDUCATION

- MSc Artificial Intelligence**, *University of Amsterdam, current GPA: 8.2/10* 09.2017 - 08.2019
- Two year program with a technical approach towards AI research.
 - *Sample of my coursework*: Machine Learning 1 & 2, Natural Language Processing, Reinforcement Learning, Information theory, Unsupervised Language Learning, Computer Vision, Information Retrieval, Multi-Agent Systems
- Minor Mathematics & CS**, *University of Hong Kong (Exchange) & University of Groningen* 09.2016 - 07.2017
- *Coursework*: Probability theory, Linear Algebra, Multivariable Calculus, Neural Networks, Data Visualization
- BSc. Psychology**, *University of Groningen, GPA: 8.4/10* 09.2014 - 07.2017
- *Specialization*: Cognitive Psychology and Statistics
 - *Thesis*: "A graphical modelling approach to study behavioral interventions on household energy usage."
- Honors Program**, *University of Groningen, GPA: 8.5/10* 09.2015 - 07.2017
- 45 additional credits of interdisciplinary courses and projects
 - Offered to top 10% of students across all BSc. programs
- Abitur**, *Gymnasium Johanneum, Hamburg* 09.2006 - 08.2014
- Great Latinum & Gracum (*German qualifications for Latin and ancient Greek*)

PUBLICATIONS

1. Under the hood: Using diagnostic classifiers to investigate and improve how language models track agreement information. Mario Giulianelli*, Jack Harding*, Florian Mohnert*, Dieuwke Hupkes and Willem Zuidema (2018). *In proceedings of EMNLP workshop Analyzing and interpreting neural networks for NLP*. **Best paper award**.
2. Using a Gaussian Graphical Model to Explore Relationships between Items and Variables in Environmental Psychology Research. Nitin Bhushan, Florian Mohnert, Lise Jans, Daniel Slood, Casper Albers, Linda Steg (2018). Under review.

* These authors contributed equally.

EXPERIENCE: RESEARCH

- Internship: Research**, *Max Planck Institute for Intelligent Systems, Tuebingen* 07.2017 - now
- Assessing the computational rationality of human decision making with metacognitive reinforcement learning.
 - Imitation learning to predict human decision making processes.
 - *Supervision*: Dr. Falk Lieder (PI *Rationality Enhancement Group*).
- Research Assistant**, *University of Groningen, Department of Statistics* 01.2016 - 09.2017
- *Research topic*: Time series analyses of Household Energy consumption data in the NL.
 - *Methods* : Classical time series methods (ARIMA & VAR models), Hidden Markov Models
 - *Supervision*: Dr. Casper Albers, Nitin Bhushan
- Research Assistant**, *University of Groningen, Department of Social Psychology* 09.2015 - 09.2016
- *Research topic*: Two experiments on Norm development in chat conversations, more specifically the effect of subtle signals on perceived sexism.
 - *Supervision*: Dr. Namkje Koudenburg

EXPERIENCE: OTHER

- Teaching Assistant: Natural Language Processing 1**, *University of Amsterdam* 10.2015 - now
- Master-level course taught by Dr. Ekaterina Shutova
 - Teaching a tutorial session of 20 students and help them with their programming assignments.

Internship: Data Science, Sowiso Amsterdam

07.2017 - 09.2017

- *Sowiso*: E-learning platform for Mathematics and other Exact Sciences.
- Exploring stable predictors for lower performance in student population.
- Designing new graphics for teacher learning analytics dashboard.

Volunteer Teacher, Wadduwa, Sri Lanka

07.2015 - 09.2015

- Taught English and math in a Buddhist temple.

SKILLS

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| Programming (> 3 years of regular use) | Python, Matlab, R, Bash, git, L ^A T _E X |
| Programming (familiar with) | Javascript (esp. D3.js), SQL, HTML/CSS |
| Deep Learning | PyTorch, Keras |
| Spoken Languages | German (native), English (fluent), Dutch (proficient) |