

FLORIAN MOHNERT

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EDUCATION

- MSc Artificial Intelligence**, *University of Amsterdam, current GPA: (8/10)* 09.2017 - 08.2019
- Two year program with a technical approach towards AI research.
 - *Selection of courses:* Machine Learning 1 & 2, Natural Language Processing, Reinforcement Learning, Information theory, Unsupervised Language Learning, Computer Vision, Multi-Agent Systems
- Minor: Mathematics & CS**, *University of Hong Kong & University of Groningen* 09.2015 - 07.2017
- *Courses:* 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 credits of interdisciplinary courses and projects
 - Offered to top 10% of students across all BSc programs
- Abitur** (German highschool degree), *Gymnasium Johanneum, Hamburg* 09.2006 - 08.2014

RECENT PROJECTS

Language modelling

- Analysing state of the Art Language models (LSTMs).
- Testing whether interpretable information can be decoded from intermediate representations.

Probabalistic Graphical models for Social Psychology

- Investigating how probabalisitic graphical models can be used in social psychology to explore datasets that aim at testing mutiple psychological theories
- Gave a *workshop* for social psychology staff on how to use Gaussian Graphical models for exploratory analyses.
- We are currently preparing a paper for a journal publication.

EXPERIENCE

- Internship: Research**, *Max Planck Institute for Intelligent Systems, Tbingen (Germany)* 07.2017 - 09.2017
- Working in *Rationality Enhancement Group* supervised by Dr. Falk Lieder (PI)
 - Evaluating the rational metareasoning model of strategy selection against process-tracing data on risky choice.
- Internship: Data Science**, *Sowiso Amsterdam* 07.2017 - 09.2017
- *Sowiso:* E-learning for Mathematics and other Exact Sciences
 - Improving learning analytics for teachers (better visuals and more data)
 - Set up experiment to find stable predictors for lower performance in student population.
- 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
- Volunteer Teacher**, *Wadduwa, Sri Lanka* 07.2015 - 09.2015
- Taught English and math in a Buddhist temple.

SKILLS

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)