

# FLORIAN MOHNERT

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## EDUCATION

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- 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, Knowledge Representation, Natural Language Processing, Unsupervised Language Learning, Information Retrieval, Computer Vision , Machine Learning 2, Multi-Agent Systems, Game Theory (6 EC each)
- Exchange Semester**, *University of Hong Kong* 09.2016 - 01.2017
- Took courses offered at the Department of Mathematics
- Minor: Mathematics & CS**, *University of Groningen* 09.2015 - 07.2017
- *Courses*: Probability theory, Linear Algebra, Multivariable Calculus, Neural Networks, Data Visualization
- 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
- 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."
- German high school degree (Abitur)**, *Gymnasium Johanneum zu Hamburg* 09.2006 - 08.2014

## RECENT PROJECTS

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### 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

- 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

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- 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**

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