# 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, Natural Language Processing,Knowledge Representation,
  Unsupervised Language Learning, Information Retrieval, Computer Vision , Machine Learning 2, 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

**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

**Language modelling**

- Analying 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 probabalisitc graphical models can be used in social psychology to explore datasets that aim at testing
  mutliple 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: 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 Koudenbourg

**Volunteer Teacher**, *Wadduwa, Sri Lanka*          07.2015 - 09.2015

- Taught English and math in a Budhist temple.

## SKILLS

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