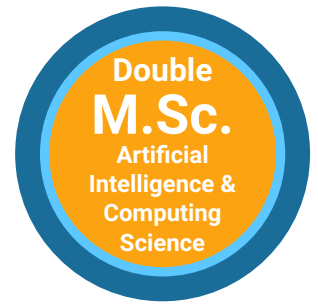


# ARIANNE MEIJER

MACHINE LEARNING ENGINEER

I am a double master student in Artificial Intelligence (AI) and Computing Science (CS) with diverse professional experience. I hope to graduate my AI master with "cum laude" distinction (weighted average  $\geq 8/10$ , [click here](#)). I love complex problem solving and my education gave me the tools to do this; CS for finding exact solutions efficiently and AI for finding smart approximations. Ever since I learned about quantum logic and ZX-diagrams, I have been bit by the quantum bug. I am looking forward to applying my knowledge to a field I do not yet fully understand.



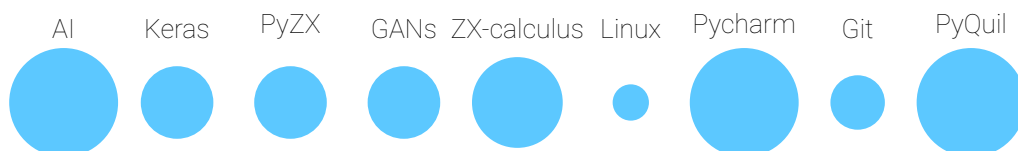
currently studying for  
both master's degrees at  
**Radboud University Nijmegen**

## PERSONALIA

	Arianne Meijer		+31 (0)6 81 76 81 00
	Malden, the Netherlands		ariannemeijer@gmail.com
	27/02/1993		aerylia13
	Dutch		github.com/aerylia
	Married		linkedin.com/in/aerylia

## SKILLS AND TECHNOLOGIES

Relative expertise:



## LANGUAGES

Relative expertise, in order of preference:

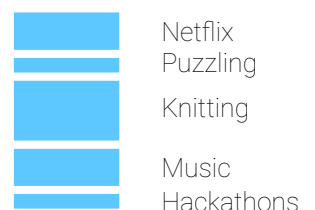


## ACTIVITIES



I love to challenge myself both creatively and intellectually. I particularly enjoy combining established techniques in new ways. This can easily be seen in my crafts.

Or in the words of Spoonboy from the Matrix (1999):  
**Do not try and think outside the box, that's impossible.  
Instead, only try to realize the truth... There is no box.**



## EXPERIENCE

- 04-2019 until 06-2019** : **Radboud University, Teaching assistant Calculus & Probability Theory, Nijmegen**  
*Helping students with exercises and grading them.*
- 02-2019 until 04-2019** : **Radboud University, Teaching assistant Representation & Interaction, Nijmegen**  
*Helping students with exercises and grading them.*
- 01-2019 until 03-2019** : **Radboud University, Teaching assistant Quantum Computing, Nijmegen**  
*Researched a compiling technique for quantum computers and wrote an paper about it [1].*  
Techniques used: Python, PyZX, Qiskit, Quil, OpenQASM
- 01-2019 until 03-2019** : **Radboud University, Teaching assistant Combinatorics, Nijmegen**  
*Helping students with exercises and grading them.*
- 12-2018 until 03-2019** : **PostNL, Manual sorter, Den Bosch**  
*Manual sorting of the physical mail.*
- 06-2018 until 11-2018** : **Machine2Learn, Graduation Internship Computing Science, Amsterdam**  
*Currently researching natural language generation in the form of a chatbot and language style transfer.*  
Techniques used: Python, Keras (tensorflow), LSTM, GRU, RNN, Seq2Seq, Sentiment Analysis, Style transfer and more  
Supervisors: Tom Heskes (RU), Wouter Oosterheert (Machine2Learn)
- 09-2017 until 02-2018** : **SIMON, Internship Artificial Intelligence, Eindhoven**  
*Created an automatic invoice processor.*  
Techniques used: Python, Microsoft Azure Vision OCR, Regex, SVM, RF, EXP4.P  
Supervisors: George Kachargis (RU), Martha Larson (RU), Erik van Breusegem (SIMON)
- 08-2016 until 02-2017** : **Anchormen, Junior Data Scientist, Amsterdam**  
*Worked on several Data Science and AI projects.*  
Techniques used: Python
- 03-2016 until 08-2016** : **RadboudUMC, Graduation Internship Artificial Intelligence, Nijmegen**  
*Researched the possibility to detect mental illnesses based on pictures of patients and their parents. I took the first steps in building this system by building a parent-child classifier.*  
Techniques used: Python, Matlab, LBP/HOG, SVM  
Supervisors: Marco Wiering (RuG), Jayne Hehir-Kwa (RadboudUMC), Hamdi Dibeklioglu (TU Delft)
- 05-2015 until 08-2015** : **Atos, Graduation Internship Computer Science, Groningen**  
*Researched the possibility to predict problems Atos' computer network by text mining the log files of their different network devices (routers, switches etc.).*  
Techniques used: Python, Elastic ELK, NXLog, Diverse Density  
Supervisors: Michael Biehl (RuG), Marco Aiello (RuG), Mark Niemeijer (Atos)
- 09-2014 until 11-2014** : **Zernike College, Internship Computer Science Teacher, Haren**  
*As part of the educational minor to become a teacher in Computer Science, I taught classes in high school (1/2 VWO and 4 Havo/VWO).*
- 08-2013 until 03-2013** : **Nuvema, Outbound call center employee, Groningen**  
*Called people to make appointments to discuss life insurance.*
- 12-2012 until 12-2012** : **PostNL, Manual sorter, Assen**  
*Manual sorting of Christmas cards.*
- 06-2011 until 07-2011** : **Van Dijk Educatie, Problem solver, Kampen**  
*Solving problems in the warehouse, counting stock and updating the system when necessary.*

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## EDUCATION

- 09-2016 until now** : **Master Artificial Intelligence, Radboud University, Nijmegen**  
*Specialization: Web and Language Interaction*  
Expected 31 August 2019
- 11-2015 until now** : **Master Computing Science, Radboud University, Nijmegen**  
*Specialization: Data Science*  
Expected 31 August 2019 - All credits obtained
- 09-2013 until 01-2019** : **Bachelor Artificial Intelligence, University of Groningen, Groningen**
- 09-2011 until 10-2015** : **Bachelor Computer Science, University of Groningen, Groningen**
- 09-2011 until 06-2013** : **Bachelor Mathematics, University of Groningen, Groningen**  
*Not graduated*
- 08-2010 until 06-2011** : **VWO (VAVO), Deltion Sprint College, Zwolle**  
*Profile: Nature and Technology (N&T) and Nature and Health (N&G)*  
*Mathematics B, Mathematics D, Physics, Chemistry, Biology*

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## PUBLICATIONS

- [1] Aleks Kissinger and Arianne Meijer-van de Griend. *CNOT circuit extraction for topologically-constrained quantum memories*. 2019. arXiv: 1904.00633.

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## REFERENCES

- Erik van Breusegem** : **Co-founder of SIMON**  
*Please contact me for contact information*