

Personal Info
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Date of birth
29-08-1994
LinkedIn
www.linkedin.com/in/tom-pelsmaeker
GitHub
https://github.com/tom-pelsmaeker
WWW
https://tom-pelsmaeker.github.io/

Skills
Version control with Git for small projects.
Cloud computing with Amazon EC2, SURFsara Cartesius and DAS-4.
Website design with WordPress.
Statistical analysis with SPSS.
Scientific writing.

Programming Languages
Advanced knowledge of Python, including scientific libraries (SciPy, NumPy) and deep learning frameworks (PyTorch, TensorFlow, Caffe, AllenNLP, OpenNMT, Fairseq).
Intermediate knowledge of MATLAB, including EEGLAB for processing of EEG data.
Intermediate knowledge of Lua, including deep learning framework Torch.
Intermediate knowledge of Java, including deep learning frameworks Deeplearning4j and Neuroph.
Basic knowledge of C, C++, JavaScript, PHP, HTML and CSS.

Additional Activities
09-2016 - 09-2018
Treasurer in the activity committee of my student association AmsterDance.
08-2019 - 09-2019
Machine Learning Summer School (MLSS) in Moscow.

# Tom Pelsmaeker

## PhD Student in Natural Language Processing

### Education

02-2019 - present	<b>PhD, University of Edinburgh</b> Low-resource machine translation with deep generative models. Supervised by Dr Ivan Titov and Dr Alexandra Birch.
09-2016 - 02-2019	<b>MSc Artificial Intelligence, University of Amsterdam</b> 120 ECTS. Cum laude (with highest honor). Thesis: Effective Estimation of Deep Generative Models of Language.
09-2015 - 09-2016	<b>Transition Year Artificial Intelligence, University of Amsterdam</b> 30 ECTS. Weighted average grade: 9.4/10.
09-2011 - 09-2014	<b>BSc Psychology, University of Amsterdam</b> 212 ECTS. Cum laude (with highest honor), including Honours Programme (32 ECTS).

### Experience

04-2018 - 02-2019	<b>IT Support</b> <i>LEREN&amp;ZO, Amsterdam</i> 4-8 hour per week. LEREN&ZO is a tutoring institute for primary and secondary school students. I was responsible for the setup and management of their IT facilities.
11-2017 - 05-2018	<b>Research Assistant</b> <i>University of Amsterdam, Amsterdam</i> 10 hours per week. Research into natural language generation with generative adversarial networks together with a fellow master's student and a PhD candidate.
09-2017 - 01-2018	<b>Research and Development Intern</b> <i>Birds.ai, Delft</i> 40 hours per week. Birds.ai is a small startup that provides automatic analysis of drone imagery with artificial intelligence to give companies insight into the state of their assets. During my internship I helped them to improve their computer vision algorithms for automatic object detection and segmentation, working extensively with Caffe, Torch, Amazon EC2 and Git.
09-2014 - 05-2016	<b>Co-founder</b> <i>BrainFitness, Amsterdam</i> Full-time. BrainFitness was founded by me and two fellow psychology students. Our aim was to provide consumers, companies and health care professionals with novel neurotechnology, and help them use it to combat mental health issues. My responsibilities included promotion, marketing, website building, product research, workshop development and management in general.
10-2014 - 05-2016	<b>Publications</b> <i>Municipality of Amstelveen, Amstelveen</i> 8 hours per week. I was responsible for publishing legislation changes and granted permits on the website of the municipality.

02-2013 - 02-2015	<b>Student Coordinator</b> <i>Academie van de Stad, Amsterdam</i> 10 hours per week. Academie van de Stad improves city neighbourhoods by having students develop and lead social projects for youth and the elderly. As one of four members of the neighbourhood team in the Dapperbuurt, Amsterdam, I was responsible for the creation and coordination of a weekly Dutch reading course aimed at young children from minority groups, and for the management of interns.
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