

Personal Info

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E-mail

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Date of birth

29-08-1994

LinkedIn

www.linkedin.com/in/tom-pelsmaecker

GitHub

https://github.com/tom-pelsmaecker

WWW

https://tom-pelsmaecker.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, scikit-learn).

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.

Tom Pelsmaecker

PhD Student in Natural Language Processing

Education

02-2019 - present

PhD, University of Edinburgh

Low-resource machine translation with deep generative models.
Supervised by Dr Ivan Titov and Dr Alexandra Birch.

09-2016 - 02-2019

MSc Artificial Intelligence, University of Amsterdam

120 ECTS. Cum laude (with highest honor).
Thesis: Effective Estimation of Deep Generative Models of Language.

09-2015 - 09-2016

Transition Year Artificial Intelligence, University of Amsterdam

30 ECTS. Weighted average grade: 9.4/10.

09-2011 - 09-2014

BSc Psychology, University of Amsterdam

212 ECTS. Cum laude (with highest honor), including Honours Programme (32 ECTS).

Experience

04-2018 - 02-2019

IT Support

LEREN&ZO, Amsterdam
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

Research Assistant

University of Amsterdam, Amsterdam
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

Research and Development Intern

Birds.ai, Delft
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

Co-founder

BrainFitness, Amsterdam
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

Publications

Municipality of Amstelveen, Amstelveen
8 hours per week. I was responsible for publishing legislation changes and granted permits on the website of the municipality.

02-2013 - 02-2015

Student Coordinator

Academie van de Stad, Amsterdam
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.