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Massively collaborative machine learning

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Curriculum Vitae

Jan van Rijn was born on Wednesday 24 June 1987 in Katwijk. From 1999 until 2004 he was a student at Andreas College (location Pieter Groen) in Katwijk. In 2008 he obtained his Bachelor of Informatics at Leiden University of Applied Sciences, after which he obtained his master Computer Science in 2012 at Leiden University (thesis: 'Playing Games: The complexity of Klondike, Mahjong, Nonograms and Animal Chess' [120]).

During his studies he participated in various Algorithm Programming Contests, among which the North Western European Regional Contest in 2010 in Bremen, Germany. He was as student-assistant actively involved in various courses of the Informatics program at Leiden University. Furthermore, during his studies he was also active as Software Developer for a small business in Amsterdam.

From 2012 until 2016 he conducted his doctoral research under the supervision of Dr. Joaquin Vanschoren, Dr. Arno J. Knobbe and Prof. Dr. Joost N. Kok at Leiden Institute of Advanced Computer Science (LIACS). During this period he played a major role in the development and maintenance of OpenML. Furthermore, he was actively involved in teaching; he assisted at various Bachelor courses and gave several guest lectures about his research.

During his time as PhD student, he made several academic visits to foreign universities. He visited the University of Waikato three times for a period of several months, as invited by Prof. Dr. Bernhard Pfahringer and Prof. Dr. Geoffrey Holmes. He also visited the University of Porto for several weeks, as invited by Prof. Dr. Pavel Brazdil. Furthermore, Jan was also a member of the Institute Council, an advisory organ within the institute, and the Social Committee, for organizing social staff events.

Currently, Jan is working as researcher at the University of Freiburg. After obtaining his PhD he wants to pursue a career in academic.

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This journey started in the spring of 2012, when I was in the process of finishing my Master's Thesis. My supervisors back then, Dr. Walter Kusters and Dr. Hendrik Jan Hoogeboom, encouraged me to have an informal chat with my current advisor, Prof. Dr. Joost Kok, about the open PhD positions. It was their guidance that made me enthusiastic about scientific research and led me towards my first academic position.

Many thanks towards the active OpenML community, that made the biannual workshops something to look forward to. In particular, I would like to thank the various people that I met at several locations around the world: Bernd Bischl, Paula Branco, Giuseppe Casalicchio, Matthias Feurer, Frank Hutter, Dominik Kirckhoff, Lars Kotthoff, Michel Lang, Rafael Mantovani, Luís Torgo and Joaquin Vanschoren.

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Finally, I would like to mention my family and friends across the world. In particular, Nico, Leuntje, Niels, Annelies, Bas and Leoni van Rijn, for providing the warm and stable environment that I always could rely on. This thesis is dedicated to you.

Publication List

Below is a chronological list of publications by the author up to October 2016.

- S. M. Abdulrahman, P. Brazdil, J. N. van Rijn, and J. Vanschoren. Speeding up algorithm selection using average ranking and active testing by introducing runtime. *Machine Learning, Special Issue on Metalearning and Algorithm Selection*, forthcoming, 2016
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