Tom Van de Wiele

Seasoned deep (reinforcement) learning engineer and researcher with a world class track record in machine learning competitions.

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Kaggle Blog
Github LinkedIn

Experience

Intelecy, Oslo — *Chief Data Scientist*

Oct 2019 - Now

In this technical role, I lead a team of data scientists and explore cutting edge techniques to automate machine learning for industrial data.

DeepMind (Google), London — *Research Engineer*

Jan 2017 - Aug 2019

I collaborated with some of the best researchers on the planet to advance towards Artificial General Intelligence. My main focus was on core reinforcement learning methods and learning of the reward functions while keeping up to date with advancements in the wider field of AI.

Eastman Chemical Company, Ghent —*Analytics Consultant*

Jan 2016 - Sep 2016

In this role, I supported different businesses, functions and product organizations globally with data analysis and programming support.

Eastman Chemical Company, Ghent —*Automation Engineer*

Jun 2012 - Dec 2015

I implemented the process logic of a chemical plant and developed analytical models that relate quality with process data.

Education

Universiteit Gent — *Master in statistical data analysis*

Sep 2013 - Jun 2016 — Magna cum laude 80.8%

Thesis: Improving the FIFA ranking system using probabilistic modeling and prediction of the UEFA EURO 2016 tournament

Katholieke Universiteit Leuven — *Master in computer science engineering, option: artificial intelligence*

Sep 2005 - Jun 2010 — Magna cum laude 77.3%

Thesis: Knowledge discovery in panoramic X-rays for postmortem identification. Summary paper

Machine learning awards

Kaggle master, best global rank: 28
3 gold medals in 3 featured competitions

Winner of the Facebook Kaggle challenge to predict check-ins

Mentor of Sofie Verrewaere who finished joint second in the European Commission Big Data Horizon 2020 prize (€400k)

DeepMind Publications

Amortized Q-Learning

Unsupervised Control Through Non-Parametric Discriminative Rewards

Learning by Playing - Solving Sparse Reward Tasks from Scratch

Programming languages

Expert: Python (Tensorflow, Keras, Sonnet and GraphNets), R, R Shiny and LaTeX

Proficient: C++, Java, SQL, SAS, MATLAB and DeltaV