Jordy Van Landeghem

Doctoral AI Researcher

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2560 Nijlen (Belgium)

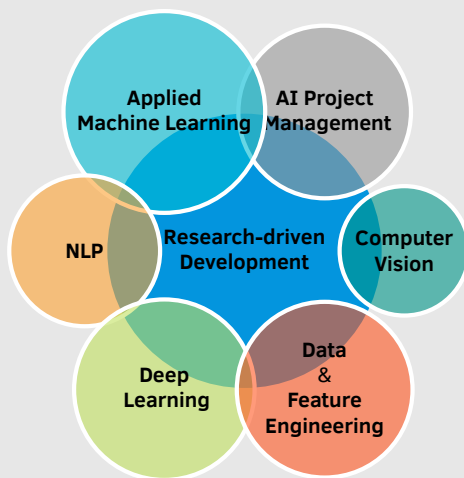✉ jordy.vlan@gmail.com

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○ Jordy-VL

Skills

Programming

Python • SpaCy, scikit-learn, NLTK, …

Deep learning • PyTorch, TensorFlow

HF Transformers • Datasets & Evaluate

Javascript • MongoDB • Node JS

Linux Shell • Perl • Regex

Languages

Language	
Dutch	●●●●●
English	●●●●●
Spanish	●●●●○
French	●●●○○
German	●●●○○
Portuguese	●●○○○

Experience

Jun 2017 - Present
AI/NLP Research Engineer — Contract.fit [Brussels]
- Researching and prototyping the state-of-the-art in NLP and Computer Vision to advance Document Understanding.
- Designed and implemented production-grade Machine Learning pipelines for Document Classification and Information Extraction.
- Applied end-to-end AI engineering in application domains like insurance, finance, legal & creating building blocks of a SaaS product.
- Supervised 11 CS/AI Master's thesis internships

Mar 2017 - June 2017
Research Intern
Language Modelling Algorithms — Nuance Communications [Aachen]
- Performed research into advanced regularisation techniques for RNN-based Language Models.
- Contributed to an in-house TensorFlow toolkit and implemented biLSTM induction of character-based word embeddings.

Aug 2016 - Feb 2017
Research Intern
NLP Development for Dialogue Systems — Oracle [Barcelona]
- Investigated Sequence-to-Sequence Neural Networks for Dialogue Modelling, Chatbot & Virtual Assistant Technology.
- Presented results at *the 27th Conference of Computational Linguistics in the Netherlands (CLIN27).*

Education

2020 - Present **Ph.D in Engineering Sciences, Computer Science** — KU Leuven
Project: ***Intelligent Automation for AI-driven Document Understanding***
TA: Popular Science Communication, Data Structures & Algorithms.

2015 - 2017 **Master of Science, Artificial Intelligence:**
Speech and Language Technology (Magna Cum Laude) — KU Leuven
Thesis: *Sequence-to-Sequence Learning for End-to-End Dialogue Systems*

2014 - 2015 **Master of Arts, Linguistics:**
Corpus- and usage-based Methodologies (Magna cum Laude) — KU Leuven
Thesis: *-ing seen through its Dutch Translation Equivalents: a contrastive Parallel Treebank based study*

Research Publications

Van Landeghem, Jordy, et al. *Document UnderstanDing of Everything (**DUDE**).* In 17th International Conference on Document Analysis and Recognition (ICDAR), 2023 (forthcoming).

Van Landeghem, Jordy, Matthew Blaschko, Bertrand Anckaert, and Marie-Francine Moens. *Benchmarking Scalable Predictive Uncertainty in Text Classification.* IEEE Access, 2022.

Van Landeghem, Jordy. uncertainty-bench (Version 0.0.1) [Computer software], 2021. @ https://github.com/Jordy-VL/uncertainty-bench

Van Landeghem, Jordy, Matthew Blaschko, Bertrand Anckaert, and Marie-Francine Moens. *Predictive uncertainty for probabilistic novelty detection in text classification.* In Proceedings ICML 2020 Workshop on Uncertainty and Robustness in Deep Learning. ICML, 2020.

Francis, Sumam, Jordy Van Landeghem, and Marie-Francine Moens, *Transfer Learning for Named Entity Recognition in Financial & Biomedical Documents.* Information 10.8 (2019): 248.