

Jordy Van Landeghem

AI Research Engineer

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2560 Kessel (Belgium)

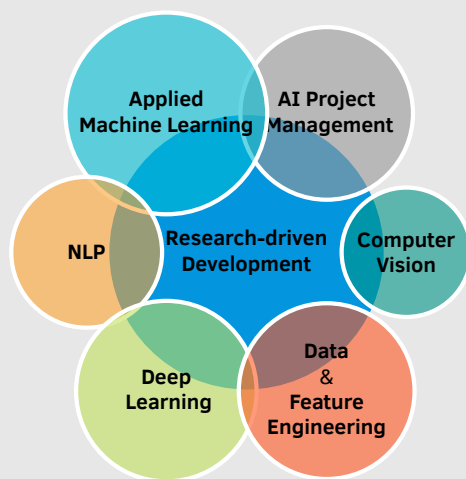
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Skills

Overview



Programming

Python • SpaCy, scikit-learn, NLTK, ...

Deep learning • TensorFlow, PyTorch

Javascript • MongoDB • Node JS

Linux Shell • Perl • Regex

Languages

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 to unlock the value trapped in all sorts of complex documents.
- Designed and implemented Machine Learning pipelines for Document Classification and Information Extraction.
- Applied end-to-end AI engineering & project management in the context of various application domains, e.g. insurance finance, banking, legal.
- Successfully supervised 2 Artificial Intelligence Master's thesis internships with topics: Computer Vision & AI for Business processes

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 made implementations of biLSTM induction of character-based word embeddings.
- Experimented extensively with different training setups and documented empirical results for future research.

Aug 2016 - Feb 2017

Research Intern

NLP Development for Dialogue Systems

Oracle [Barcelona]

- Collaborated with Oracle's Service Cloud development team with the main assignments Chat and Virtual Assistant technology.
- Investigated feasibility of Sequence-to-Sequence Neural networks for Dialogue Modelling & Chatbot Technology
- Presented results at the 27th Conference of Computational Linguistics in the Netherlands (CLIN27)

Education

2015 - 2017 Master of Science, Artificial Intelligence:

Speech and Language Technology (Magna Cum Laude)

KU Leuven

Relevant coursework:

Natural Language Processing, Machine Learning, Data Mining, Speech Recognition, Information Retrieval, Neural Networks

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*

2011 - 2014 Bachelor of Arts, Languages & Linguistics:

English and Spanish (Cum Laude)

KU Leuven

Thesis: *Theoretical and Methodological re-evaluation of Conceptual Metaphor Theory*

Research Publications & Interests

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

Distributional Semantics & Compositionality, Intelligent Automation, Document Understanding, Bayesian Neural Networks, Multimodal Probabilistic Topic Modelling, Machine Intelligence, AutoML, Algorithm & Objective Function Design