Nathan Cornille

Curriculum Vitae

Academic output

Presentations

November 2020	**Poster and flashtalk**, *From Neuroscience to Artificially Intelligent Systems*, Virtual. DIRT: Distributed Internal Regression Transformer
December 2019	**Oral and poster presentation**, *3rd Human Brain Project Curriculum Workshop on Cognitive Systems*, Glasgow. Improving Language Understanding in Machines through Anticipation

Dissertations

June 2019	**Master thesis**, *KULeuven*, Leuven, 17/20. Analysis and Improvement of Named Entity Recognition for Biomedical Articles

Education

2019–current (planned 2023)	**PhD computer science**, *Language Intelligence & Information Retrieval lab, KULeuven*, Leuven. Natural Language Understanding, Deep Learning, Neuromorphic Computing
2017–2019	**Master computer science**, *KULeuven*, Leuven, 85.27% (Top 3% of 96 students). Option Artificial Intelligence
Fall of 2018	**Exchange semester**, *Tsinghua University*, Beijing, 92.33% - 3.8 GPA.
2014–2017	**Bachelor engineering sciences**, *KULeuven*, Leuven, 79.22% (Top 10% of 326 students). Option Mechanics - Computer Science
2008–2014	**Secondary education**, *Sint-Michielscollege Brasschaat*, Brasschaat, 88.7%. Option Ancient Greek - Mathematics

Working Experience

Summer of 2019	**Associate Consultant Intern**, *Bain & Company*, Brussels. Working on a European pricing strategy for a large consumer-goods company
Summer of 2018	**Blockchain intern**, *IntellectEU*, New York City. Doing research into methods for privacy in permissioned blockchains and automating financial message mapping
Spring of 2018 & 2019	**Teaching assistant**, *KU Leuven*, Leuven. Teaching exercise session for the first-year course 'Methodology of informatics'.

2016 - 2018	**Tutor**, *Sagio vzw*, Leuven.
	Tutoring students for mathematics.
Summer of 2017	**Software developer**, *Irex Consulting*, Brussels.
	Developing an Android application and a website.
Summer of 2015	**Fundraiser**, *ONG Conseil*, Antwerp.
	Asking people in the street to become supporters for Oxfam Solidarity.
2012–2014	**Waiter**, *Melkerij Peerdsbos BVBA*, Brasschaat.
	First job, learnt to work long days without complaining

Languages

Dutch	Very good	*Native language*
English	Very good	*Can hold complicated conversations without problems*
French	Good	*Can hold conversations*
German	Limited	*Can understand if spoken slowly/make myself somewhat clear*
Spanish	Limited	*Can understand if spoken slowly/make myself somewhat clear*

Computer skills

Machine learning	Tensorflow, PyTorch, keras, scikit	Procedural programming	Python, Bash
Numerical computing	Matlab, MuPad	Typesetting	LateX
Object-Oriented Programming	Java, C Sharp	Office tools	Word, Excel, Powerpoint
Version Control	Git	Databases	SQL
Functional programming	Prolog, Haskell	Modelling	IDP, Rodin

Interests

Music	Playing the guitar and singing
Sports	Basketball, football, frisbeeing, tabletennis

Student association engagements

BEST	Board Of European Students of Technology: An organisation that provides complementary education abroad for technology students, as well as organising engineering and other competitions. I was the co-Main Organiser of the 2019 Summer Course, and was the treasurer in 2017-2018.