
SKILLS

- Programming Languages: Python, Matlab, Java, bash
- Programming Frameworks: TensorFlow, React, Django, Ionic
- Research Interest: Machine Learning (Artificial Neural Networks)

WORK EXPERIENCE

Research Intern	KU Leuven	Aug 2018 – Sep 2018
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Leuven, Belgium

- Developed a system that automatically extracts keywords from a textual query (in one of 3 languages) by employing a state-of-the-art universal dependency parser (DRAGNN). These keywords are then used for retrieving relevant video content sourced from citizen journalists.
- Combined textual and video signal, we make a multi-modal embedding to enable searching in continuous space for consistent videos, relevant to the search query.

Software Development Intern	T-Mining	Feb 2017 – Aug 2017
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Antwerp, Belgium

- Set up development operations: automated building and testing of 2 Node.js powered apps and 1 blockchain app on CircleCI from BitBucket repositories.
- Implemented new geolocation features, using the Ionic mobile app framework.
- Designed and added a new user interface for this mobile application for truck drivers, using Adobe XD. This enabled the startup to demo more of the app that improves security at the physical handover of containers in ports.

Software Development Intern	VikingCo	Jul 2016 – Sep 2016
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Hasselt, Belgium

- Reduced duration of running test suites of the Mobile Vikings web platform by 40%, so developers lose less time and are encouraged to run tests often.
- Added features to "Django admin"-powered MVP for business support system of new premium app service, which sped up the development of this product.
- Implemented feature for existing Mobile Vikings product that enabled the company to generate detailed data about a subset of users and act on that new information.

Board Member	EMERGENT Leuven	Feb 2017 – Present
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Leuven, Belgium

- Interdisciplinary student organisation in Leuven, raising awareness about today's complex issues.
- I co-led the organisation of the Data 4 Good challenge 2017, so over 100 students could work in teams to analyse data and present insights on the global refugee crisis.
- I co-organise lectures and workshops on topics like big data, AI, medical engineering.

EDUCATION

Leuven, Belgium	KU Leuven University
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- (Sep 2018 – Jun 2020) MS in Mathematical Engineering, minor Machine Learning.
- (Sep 2014 – Sep 2018) BS in Computer Science, minor Business & Innovation
Thesis (top 10%, class of 2018): *Text-to-image translation using generative adversarial networks* under supervision of professor Marie-Francine Moens.