Jonas Soenen

PhD in machine learning

"Getting 1% better every day counts for a lot in the long run."

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Education

Sept	2023 (exp.)	PhD: flexible supervision for machine learning		KU Leuven
July	2019	Master Engineering: Computer Science	Summa cum laude	KU Leuven
July	2017	Bachelor in Computer Science	Magna cum laude	KU Leuven

Research Experience

2021 - present	Developing ML models to **predict electricity consumption time series** given household and weather info (journal paper @SEGAN). C*ollaboration with EnergyVille*
2021	Proposed a methodology to compare the performance of different **anomaly detection** algorithms in a fair, sound and reproduceable manner (workshop paper @KDD2021).
2019 - 2020	Developed a framework that allows **clustering** algorithms that leverage expert feedback to handle and reason about expert mistakes (conference paper @ECML2020; blogpost).

For an overview of all my publications see https://orcid.org/0000-0002-7289-6091

Technical Skills

Programming Skills	Clean, efficient and well documented code in Python, Java, and C.
Software Design	Object oriented design (GRASP) and design patterns.
Machine Learning	Clustering, anomaly detection, tree-based models
Python Data Science	ML models, data manipulation, visualization, and optimization.
DevOps	Version control (git)
Operating Systems	Linux and Windows
Web Technologies	Basis of HTML, JavaScript, CSS and PHP
Databases	SQL

Soft Skills

Presentation Skills	Enjoys presenting; boils down complex topics into easy-to-follow stories.
Written Communication	Proficient in clear, to-the-point and effective written communication.
Coaching & Teaching	Coached 5 master students to successful completion of their thesis.
Project management	Takes ownership; sets and manages expectations; maintains and discusses timeline with collaborators.

Languages

Dutch	Native proficiency
English	Fluent professional proficiency
French	Limited working proficiency

Strengths

Action and goal-oriented, team player, problem solver and critical thinker.

Activities

🧗 Climbing, 🍴 cooking, 🎧 listening (music, podcasts and audiobooks), and 📖 reading (both fiction and informative books).