

Jonas Soenen

PhD in machine learning

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

Bertem (Leuven)

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Education

Sept 2023 (exp.)	PhD	Machine Learning		KU Leuven
July 2019	MA	Engineering: Computer Science	Summa cum laude	KU Leuven
July 2017	BA	Computer Science	Magna cum laude	KU Leuven

Research Experience

2021 - present	Developing several ML models to predict electricity consumption time series given household and weather info (journal paper @ SEGAN). <i>Collaboration with EnergyVille</i>
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 which allows clustering algorithms that leverage expert feedback to handle and reason about expert mistakes (conference paper @ ECML2020).

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.
Team coordination	Sets and manages expectations; maintains and discusses timeline with collaborators.

Technical Skills

Expert Advanced Intermediate Beginner

Python Data-Science Stack

Machine Learning	Data Manipulation	Visualization	Optimization	Tools
Scikit-learn & related	Pandas NumPy	Altair Seaborn Plotly	Dask Numba	Notebooks

General

Programming Languages	Software Design	Web Technologies	OS's	DevOps
Python Java C	Design patterns OOP	HTML JavaScript CSS PHP	Windows Linux	Git

Strengths

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

Languages

Dutch	Native proficiency
English	Fluent professional proficiency
French	Limited working proficiency

Activities

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