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Resumé

Experience

March 2022 – **Innovation Specialist**, *Centrica Business Solutions Belgium*, Antwerp, Belgium.
○ R&D in flexibility markets & management at the European H2020 projects

September 2017– September 2021 **Junior Researcher**, *LUT University*, Lappeenranta, Finland.
○ Research in flexibility management at the national and European H2020 projects

July 2016 – August 2016 **Industrial Design Intern**, *Schneider Electric*, Moscow, Russia.
○ Redesign and major update of two PRM portals in Industrial Automation unit

June 2015 – December 2015 **Project Manager Assistant**, *ABS Electro*, Moscow, Russia.
○ Conformance inspection of technical requirements and proposals

Education

2017–2021 **D.Sc. (Tech) in Energy Market and Solar Economy**, *LUT University*, Finland.
○ 6 month research exchange to School of Computing, University of Leeds, UK

2015–2017 **M.Sc. (Tech) in Electrical Engineering**, *LUT University*, Lappeenranta, Finland.
○ Double degree programm with NRU MPEI, Russia,*With Honors*

2011–2015 **B.Sc. (Tech) in Electrical Power Engineering**, *NRU MPEI*, Moscow, Russia.

Projects

2021 **Battery techno-economic optimization**, *Publication*.
○ Applied ML and SO for multi-objective predictive management of battery storage

2021 **Battery flexibility bidding to reserve market**, *DOMINOES H2020 project*.
○ Applied ML and MILP for predictive bidding of battery storage to reserve market

2020 **Prosumer flexibility optimization**, *Publication*.
○ Applied MILP for techno-socio-economic optimization of prosumer battery storage

2020 **Multivariate probabilistic energy forecasting**, *Publication*.
○ Applied DL models to several energy forecasting problems

Skills

Coding	Python, R, LaTeX, Bash
ML operations	Pandas, Polars, GluonTS, DARTS, PyTorch, Tensorflow, Sklearn, Ray, MLFlow, Optuna
OR software	cvxpy, cvxstoc, I-EPOS, scipy
Workflows	OOP, CI/CD, EDA, multithreading, asynchronous programming
Visualization	matplotlib, plotly, seaborn
Web Development	Flask, Tornado, Grafana, Influx, Redis
CI/CD	Docker, conda, Git, pytest
Soft skills	presentation, teamwork, divergent thinking, self-management, perseverance

Languages

English	Proficient user (TOEFL 95)

Interests

Professional	Data-driven decision making, digital energy democracy, virtual power plants
Leisure	Travelling, Movies (Science-Fiction), Photography
Sport	Football, Volleyball, Cycling, Gym