Elena Mongelli
Energy Engineer
Starting a new MSc in CS Engineering

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Education

02/2021 – 02/2023	🔖	**M.Sc. in Mathematical Modelling and Computing at DTU** Focus on: Data science, software development, business analytics
09/2018 – 09/2020	🔖	**M.Sc. in Sustainable Energy Engineering at DTU** Focus on: energy markets, machine learning, operational research Final project: *Wind modelling in urban context using numerical methods*
01/2019 – 05/2019	🔖	**Exchange student at Stanford University, Stanford – California** I participated in "AEC Global Teamwork" during the 8Th semester of my education. My role involved energy optimization. Click to go to program description.
09/2014 – 02/2018	🔖	**B.Sc. in Energy Engineering at Politecnico di Milano, Milan – Italy** Focus on: numerical methods, mechanics, statistic, programming. Final project: *Modelling of an hydroturbine*

Work Experience

09/2020-12/2020	🔖	**Teaching assistant in Applied CFD** I am helping student to conduct a CFD (Computational Fluid Dynamics) study involving the energy environment.
02/2020-09/2020	🔖	**Internship FORCE Technology (Lyngby): Wind modelling using numerical methods** My role in this company project has been to do a sensitivity analysis, on different parameters of the model, of boundary conditions, chosen accordingly to the most recent CFD guidelines.
09/2019 –	🔖	**Sustainable Energy Engineer Mentor – Stanford University (Remotely)** I am guiding energy students into design of energy systems, always aiming for a net zero emissions.

Skills

Languages	🔖	Danish (Modul 4 on 5), English (full professional proficiency), Italian (native proficiency).
Programs	🔖	**Coding:** Python (Numpy, Pytorch, Pandas) | Microsoft BI | SQL .