

# GABRIELE MAURO

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Søllerødgade 17 1tv, Copenhagen (DK)

## ENGINEER WITH A FLAIR FOR PYTHON AND ML

With strong programming and analytical skills, I am well-prepared to work with data, automate procedures and develop ML algorithms. My proficiency in Python and C++ enables me to understand and learn other languages rapidly. Driven by a keen interest in IT, I am highly motivated to learn more about the latest technologies.

## PROFESSIONAL EXPERIENCE

### Rambøll

Structural Engineer  
2022 - 2024 Copenhagen

#### Main responsibilities:

- Extract and post-processing of FE analysis **data**;
- Automate** procedures in **VBA** and **Python**;
- Produce and review **reports**;
- Design **new solutions** for issues on the construction site;
- Site inspections, **communication** with external contractors.

#### Projects:

- Marmormolen**: The largest timber structure in Denmark.
- Carlsberg Byen**: Høffdings Tårn and nine apartment buildings.
- CERN**: Timber building B777 in the Prévessin Campus.

## EDUCATION

### Danmarks Tekniske Universitet (DTU)

MSc Civil Engineering (Structural Engineering)  
2020 - 2023 Copenhagen, Denmark

- Master Thesis: *Nonlinear State Estimation via Machine Learning***. Six-month project focused on estimating acceleration time series using **Gaussian Processes** and **Artificial Neural Networks**, implemented in **Python**.
- Relevant courses**: Machine Learning and Data Mining; Technology, Organization and Business Models; Project Management.

### Politecnico di Milano

BSc Civil Engineering  
2015 - 2020 Milan, Italy

- Relevant courses**: Programming in **C++**; Sustainable Engineering.

## DIGITAL PROFILES

- Personal Website
- GitHub
- LinkedIn

## SOFT SKILLS

- Fast learner
- Cooperative
- Accountable
- Dedicated
- Analytical

## IT SKILLS

Data Visualization	●●●●●●
Data Analysis	●●●●●●
Machine Learning	●●●●●●
Statistics	●●●●●●
Excel	●●●●●●
GitHub	●●●●●●
Python	●●●●●●
VBA	●●●●●●
C++	●●●●●●
LaTeX	●●●●●●
MatLab	●●●●●●
SQL	●●●●●●

## CERTIFICATIONS

- IELTS - English level assessment (C1)
- ISO 21500 and ISO 21502
- On-going courses:
- Microsoft Certification **DP-900**: Azure Data Fundamentals

## LANGUAGES

- Italian (Native)
- English