

GIULIA MALINVERNO

Staff Engineer

INFO AND CONTACT

24/12/1993

Verbania, (VB)

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[LinkedIn](#)

SKILLS

Agile Scrum

Programming skills

REST API

DevOps

GitHub

LANGUAGES

Italian

English

Spanish

EDUCATION

2015-2017

Msc Electrical Engineering @
Università degli studi di Pavia
(IT)

Thesis: Study and modelling
of a car door drive operator
for Schindler's elevators
@Schindler Group (CH)

2012-2015

Bsc Industrial Engineering –
Energy Engineering @
Università degli studi di Pavia
(IT)
Thesis: Study of OFIMA's
Hydroelectric pumping
system @OFIMA SA (CH)

PROFILE

Staff engineer, utilizing my 7+ years of experience in the engineering software industry. Developing workflows to easily automate and overcome the burden of manual operation. Writing codes that are reliable and user-friendly with the aim of scalability. Passionate about everything involving software development, DevOps and technology.

EXPERIENCE

2026-present: Staff Engineer @ Synopsys, Inc.

- PyAEDT and AEDT Python toolkits maintainer and developer for Low Frequency applications – international team.
- PyAnsys framework to automate and boost Ansys products.
- Recognized trainer for internal and EMEA customer workshops.
- Programming languages: Python.
- Technical skills: Web services, grpc, RESTAPI, Automated API testing technique (Postman).
- Rest API Python Frameworks: Flask, Bottle.
- CI/CD pipelines, GitHub Actions and Azure Devops
- GitHub & Git
- Low frequency and EMag Simulation with Ansys products

2024-2026: Senior Application Engineer @ Ansys part of Synopsys

2022-2024: Application Engineer II @Ansys, Inc.

2020-2022: Application Engineer @Ansys, Inc.

2017-2020: Research Engineer @Motor Design Ltd – Wrexham (UK)

- Matlab/Simulink and Matlab scripting.
- ANSYS Maxwell/ Motor-CAD for electric motor applications.
- Programming languages: Vbs, C++, Python

RELEVANT PROJECTS:

- PyAEDT: Python wrapper for Ansys Electronics Desktop @ <https://github.com/ansys/pyaedt>
- magnet-segmentation-toolkit: Python toolkit to seamlessly automate rotor and magnets segmentation in electric motors application. @ <https://github.com/ansys/magnet-segmentation-toolkit>
- pyaedt-toolkits-common: Library for creating Ansys Electronics Desktop toolkits. @ <https://github.com/ansys/pyaedt-toolkits-common>

For more info about my projects and collaborations please visit my [LinkedIn profile](#).