

Andrea Albero

<http://engineeringandarchitecture.wordpress.com>



STRUCTURAL ENGINEER

nuclear · seismic · diagnostics · design · finite element method · concrete · steel · masonry · building · architecture · civil works · anchorages

PERSONAL DATA

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- 🏠 33 rue Marc Bloch,
69007 (Lyon)
- 🚗 Driving license B

KEY SKILLS

Rigorous **problem solving** attitude

Good knowledge of european codes (EC2, EC3, EC8), ETC-C/RCC-CW and italian codes (NTC, CNR Instructions)

Good **teamwork** capacities

LANGUAGES

- French** fluent
- English** fluent
- Italian** first language

IT SKILLS

- FEM ●●●●●●●●○○
- SAP2000 ●●●●●●●●○○
- Ansys APDL ●●●●●●●●○○
- Robot (RSA) ●●●●●●○○○○
- Cast3m ●●●●●●○○○○
- Autocad ●●●●●●●●○○
- Revit ●●●●●●○○○○
- LaTeX ●●●●●●○○○○
- Excel ●●●●●●●●○○
- Python ●●●●●●●●○○
- VBA ●●●●●●●●○○

WORK EXPERIENCE

FRAMATOME

STRUCTURAL ENGINEER (FIELD: NUCLEAR)

Sept. 2022 - Today | Lyon

- **Activities:** scripting, airplane crashing (APC), design report survey (advanced methods), structural predesign, critical analysis, mentoring, existing buildings interventions, SFP (*Spent Fuel Pools*) liner anchorages

TRACTEBEL ENGIE (COYNE & BELLIER)

STRUCTURAL ENGINEER (FIELD: NUCLEAR)

March 2020 - July 2022 | Lione

- **Activities:** nuclear, scripting, seismic vulnerability, fragility analysis, SSI (Soil-Structure interaction), Steel-Concrete System, steel-to-concrete fixings for large equipment

ALTEN - ENGINEERING CONSULTING COMPANY

STRUCTURAL ENGINEER (FIELD: NUCLEAR)

June 2018 - March 2020 | Paris

- **Activities:** steel-to-concrete fixings (codes, computations and methodologies), management and design of VerifPlatines software

GROUPE ALTO - ENGINEERING FIRM

STRUCTURAL ENGINEER

Jan. 2018 - June 2018 | Paris

- **Subjects:** steel, textile, Robot (RSA), Revit

GSA LAB - ENSA PARIS-MALAQUAIS

STAGE POST-LAUREAM (ERASMUS+) AND ASSISTANT PROFESSOR |

STRUCTURAL MORPHOLOGY C2

Mai 2017 - Sept. 2017 and Feb. 2018 - May 2018 | Paris

- **Subjects:** FEM modeling (Cast3m), linear (static, modal) and non-linear (static) analysis, structural design and optimisation course

EDUCATION

UNIVERSITÀ DI PISA

MASTER'S DEGREE IN BUILDING ENGINEERING AND ARCHITECTURE -

EQUIVALENT TO A BAC + 5

2008 - 2017 | high-level sport in parallel

- **Dissertation:** Static safety and seismic vulnerability of an existing concrete school building located in Massa (MS) - Supervisors : Prof. Ing. W. Salvatore, Prof. Ing. M.G. Bevilacqua, Ing. F. Morelli

PROFESSIONALS QUALIFICATION

- 2018 Certificate of equivalency for a foreign diploma, Enic-Naric, Paris, License 441994
- 2018 Member of national register of italian civil engineers