

## Solange Pretell

---

**Address:** Apt.22, 147-149 High Street Kensington, W8 6SU, London  
**Telephone:** +44 7384616291  
**Date of birth:** 31th July 1990  
**Nationality:** Italian  
**Status:** London Resident  
**Email:** solange.pretell@gmail.com

---

### Skills Profile

A hardworking, proactive and efficient design engineer with experience in works design, civil structural, geotechnical, maritime works, and highway infrastructure.

Possession of a good team spirit, deadline oriented and having the ability to produce detailed technical specifications following client's requirements and standards. Keen to find a suitable engineering position with an ambitious company that offers opportunities for career development. I am willing to travel. I have a clean driving licence.

---

### Work experience

- **March 2017 - October 2017: Civil Structural and Geotechnical Engineer at Acale S.r.l. (Ancona, Italy)**, an engineering company operating in the building industry. Main responsibilities:
    - Design of reinforced concrete, steel and masonry structures in seismic zone and realize relative 2D drawings
    - Evaluation of seismic vulnerability of existing buildings (improvement the seismic performance of existing buildings to make them adequate to resist earthquakes) and realize relative 2D drawings
    - Structural rehabilitation of existing buildings
    - Design of geotechnical civil works (such as foundations and lateral earth support structures) and realize relative 2D drawings
    - Structural analysis and design of flexible pavements
  - **October 2016 - January 2017: Internship as a Civil Engineer at Saipem S.p.A. (Fano, Italy)**, a company operating in the oil and gas industry. Role within the Ocean Department. Main responsibilities:
    - Georeferencing of orthophotomaps and digitization of shorelines through the application of ArcGis software
    - Calibration of a shoreline evolution model called "UNIBEST" on a coast with extensive protective structures (such as offshore breakwaters, groynes, revetments, etc) and application to Fano Beach, south of the harbour.
    - Evaluation of nourishment volume, in the short and long period
  - **February 2013 - October 2016: Private lessons** to college and high school students in Mathematics and Spanish
  - **June - September 2013: Internship at DICEA** (Department of Civil Engineering, Construction and Architecture) (Ancona, Italy). Monitoring construction phases of a landfill (Ancona harbor, Italy)
- 

### Education

- **November 2017 - March 2018: Intensive English Course** at Oxford House College (London). English certificate, Level C1 (upper intermediate)
- **June - October 2017: Qualified for the Civil Engineer profession** at Università Politecnica delle Marche (Ancona, Italy)
- **September 2013 - February 2017: Master's degree in Civil structural and infrastructural Engineering**, at Università Politecnica delle Marche (Ancona, Italy). Thesis: Calibration of a shoreline evolution model on a coast with extensive protective structures and application to Fano Beach, south of the harbour. Final mark: 110/110 with honors. Relevant knowledge:
  - Technology of structures and construction
  - Structural engineering and seismic structural engineering
  - Geotechnical engineering and soil mechanics
  - Hydraulic, hydrological and environmental engineering
  - Design of roads, highways and drainage
  - Maritime engineering
- **September 2010 - October 2013: Bachelor's degree in Civil and Environmental Engineering** at Università Politecnica delle Marche, (Ancona, Italy). Thesis: Filling Plates - Aspects associated to dredging of filling material. Final mark: 104/110

- **September 2005 - July 2010: Scientific high school degree**, Liceo Scientifico "E. Medi", Senigallia (Italy). Final mark 76/100
- 

## Language knowledge

- **Spanish:** Mother tongue
  - **Italian:** Italian citizen (bilingual Spanish-italian). C2 Level
  - **English:** Fluent. C1 Level
- 

## Computer skills

- Excellent knowledge of Windows operating systems and the Microsoft Office package (Word, Excel, Access, Power Point).
  - Computer design: AutoCAD
  - Structural Analysis: SAP2000, CdsWin, AEDES, VcaSlu
  - Highway design: CIVIL Design
  - Hydrology analysis: HEC-RAS
  - Hydrodynamics analysis: Delft-3D
  - Third-generation wave modelling: SWAN
  - Geotechnical analysis: Geostudio, SLOPE/W, SEEP/W, SIGMA/W
  - Coastline modelling: UNIBEST
  - Geographic information system: ArcGis,
- 

## References

- Eng. Matteo Mattioli (Head Tutor)  
Civil Engineer of engineering company Saipem S.p.A.  
Via Toniolo, 1-Fano-61032-PU, Italy  
Website: [http://www.saipem.com/sites/SAIPEM\\_it\\_IT/home/saipem-homepage.page](http://www.saipem.com/sites/SAIPEM_it_IT/home/saipem-homepage.page)  
  
Tel: +39 3471534269  
Email: [matteo.mattioli@saipem.com](mailto:matteo.mattioli@saipem.com)
  - Eng. Livio Gambacorta (Employer)  
Boss of the engineering company Acale s.r.l.  
Via Gino Tommasi, 28-Ancona-60124-AN, Italy  
Website: <http://www.acale.eu/>  
  
Tel: +39 07135287    +39 07136833  
Email: [info@acale.net](mailto:info@acale.net)  
[info@pec.acale.it](mailto:info@pec.acale.it)
- 

## Portfolio link:

[https://www.dropbox.com/s/3o946wnphkdqpb8/PORTFOLIO\\_SOLANGE.PRETELL.pdf?dl=0](https://www.dropbox.com/s/3o946wnphkdqpb8/PORTFOLIO_SOLANGE.PRETELL.pdf?dl=0)