Francesco **Truzzi**

SOFTWARE ENGINEER

Via Trento 32, Saronno (VA), 21047, Italy

✉ francesco@truzzi.me   ⚫ ftruzzi   ⬛ ftruzzi

Software Engineer and all-around hacker with experience in backend development,
natural language understanding and data wrangling at leading tech companies.
I enjoy developing APIs and tools that enable automation of complex workflows,
while caring about the little details.

Experience

Alma ⬈
SOFTWARE ENGINEER (FULL-TIME)

Remote
Apr. 2022 - Present

- Building new features to adapt the product to new countries.
- Refactoring startup code to modern and maintainable Python.
- Introduced static type checking in the codebase with mypy, supporting other engineers in the process.

HARMAN International — Samsung ⬈
SOFTWARE ENGINEER, BIXBY (FULL-TIME)

Milan, Italy
Oct. 2019 - July 2020

- Bixby chatbot development for Italian.
- New feature bring-up, refactor of natural language modeling, understanding and logic.
- Development of automation tools.

Apple
NATURAL LANGUAGE ENGINEER, SIRI (FREELANCE)

Cork, Ireland
Feb. 2018 - Oct. 2019

- Supervising a team of 3-5 language modelers, leading data annotation efforts and defining labeling guidelines for Italian.
- Language bring-up of new Siri features and domains.
- Tuning and validation of NLU models.
- Development and maintenance of pipeline tools and scripts.

Action Verb — BrickFTP ⬈
NATIVE SPEAKER (FREELANCE)

Remote
Nov. 2017 - July 2018

- Software internationalization for the Italian market.

Cisco
TECHNICAL MARKETING ENGINEER (INTERN)

Vimercate, Italy
Sept. 2016 - Mar. 2017

- Developed Python scripts to automate inventory tasks and a GUI to manage and automate the operation of a command-line network simulator to be used in customer demos.
- Managed a world-class test and demo rack lab used in POCs for optical fiber solutions.
- Learned about DWDM and packet-optical transport technologies, attending meetings and trainings with key international clients.

Gengo ⬈
TRANSLATOR (FREELANCE)

Remote
from June 2015

- Approved translator for the English to Italian language pair (Standard and Professional level).
- Translated more than 700k words with an average quality score higher than 9/10. Translator's profile ⬈

Projects

Curtains ⬈
GETCURTAINS.APP

from Jan. 2024

- Developed a macOS app to automatically disable Night Shift and keyboard backlight when watching movies.
- Built with: Swift, SwiftUI, Bootstrap, Terraform

sbattezzo.org

SBATTEZZO.ORG (DEACTIVATED)   *2020 - 2022*

- Launched a website that automates sending debaptism requests to the Catholic Church for Italian citizens. Through a fully automated pipeline, a personalized document is created and sent via registered snail mail for each user.
- Reverse-engineered Poste Italiane's API to send online mail and implemented automatic sending via AWS Lambda.
- Built with: React, Python, serverless on AWS

Various open-source tools ↗

GITHUB.COM

- MLOL Client: an open-source Python API to interface with medialibrary.it, a nationwide e-library network. Allows users to search, reserve and download books automatically. Unfortunately, I was asked to take the software down.
- Libgen Uploader: a Python client to automate uploads on Library Genesis.
- Ensure VPN: A Python library to verify your VPN connection is working correctly.

Skills ──

Software   Python, API development (Flask, FastAPI), Javascript (React, TypeScript), Machine Learning, NLP, NLU, AWS (Lambda, S3, DynamoDB, serverless), Docker, CI/CD (GitLab, GitHub Actions).

Education ──

University of Milano-Bicocca   *Milan, Italy*

BACHELOR'S OF SCIENCE IN COMPUTER SCIENCE   *Sept. 2017 - Feb. 2018*

- Found work, did not graduate.

Politecnico di Milano   *Milan, Italy*

ELECTRONICS ENGINEERING   *2014 - 2017*

- Tutored 30 international design students coming to Milan for a week-long summer school about designing products for improving urban areas. I helped them create prototypes and proof of concepts to present at the end of the week using different development boards.
- Collaborated with Polifactory, the new makerspace of Politecnico di Milano, on Next Design Innovation ↗, a contest for young innovators by Regione Lombardia. I worked on the electronics design and prototyping of two of the projects.
- Transferred to Computer Science at University of Milano-Bicocca in September 2017.

Coursera, edX and others

MASSIVE OPEN ONLINE COURSES

- Improving Deep Neural Networks, by deeplearning.ai. Certificate earned on September 23, 2018. ↗
- Neural Networks and Deep Learning, by deeplearning.ai. Certificate earned on July 3, 2018. ↗
- Structuring Machine Learning Projects, by deeplearning.ai. Certificate earned on April 5, 2018. ↗
- Machine Learning, by Stanford University. Certificate earned on October 22, 2017. ↗

Liceo Scientifico G.B. Grassi   *Saronno, Italy*

SCIENTIFIC HIGH SCHOOL DIPLOMA   *2014*

- Graduation essay (Italian): "Basic Life Support in out-of-hospital cardiac arrest." ↗

Languages ──

Italian   Native proficiency.
English   Full proficiency. University certificate: C2 level ↗ — Duolingo Proficiency Exam: Expert ↗
Spanish   Elementary proficiency.