DAVIDE VITIELLO

A data enthusiast with the passion for automatization

EDUCATION

2020 | 2017

MSc

ETH Zürich — Zürich, CH

- Focused on Data Science and Data Engineering, Dimensionality Reduction and Statistics.
- Tutored by Bradley Nelson, piooneer of Nanorobots.

2017 | 2014

BSc

Tor Vergata — Rome, IT

- Thesis: Large graphs interactions visualization of complex networks based on OWL semantic knowledge. (JS,D3.js,OWL,SPARQL).

POSITIONS COVERED

current | 2021

Full-stack Data Scientist, Data Engineer, Developer

Rejuvenate Biomed — Hasselt, BE

- Multiomics, Quality Control of Data, Signature Inverse Matching (Omics) with Network Propagations and Random Walks.
- Data ingestion, REST/GraphQL API, Data formatting and processing. ML: Text classification, Denoising, Text mining and NLP from publications.
- My stack included Tensorflow, Tensorflow GPU with CONDA, Caret, Tidyverse, SciPy, Plumber, Apollo, Shiny, Apache Airflow and Docker.

2021 | 2020

Software & Data Engineer

Liverpool University — London, UK

- Partial and conditional datasets joining routines with trained conditional prioritization. Datasets analysis of statistical significance, d.sets combinatorial analysis, data visualization.
- The data analysis was primarily done in R and Python, using mostly the libraries: tidyverse (R), pandas (Py).
- The data visualization was primarily done with Javascript (D3.js) and R (ggplot2).

View this CV online with links at *davidevitiello.com*

CONTACT

davide_vitiello@outlook.com

github.com/Davz33

CODING SKILLS

- R/Rstudio
- Python
- SQL/PostgreSQL
- Docker
- Bash, Zsh
- Javascript/Typescript

LANGUAGES

- EN
- IT
- DE
- ES

Last updated on 2022-10-30.

2021 | 2018

Scientific Researcher

ETH Zürich — Zürich, CH

- Statistical Analysis (R/Python), involving data merging, conditional joining and conditional data ingestion. Large multi-omics data ingestion and quality data analysis (PCA, Volcano plots), multi-omics different data sources integration and normalization (Z-score, Z-ratios, multi-array normalization techniques). Combined Stouffer p-value analysis.
- Article (first paper author) available at: https://www.frontiersin.org/articles/10.3389/fgene.2021.694033/full
- In collaboration with C. Ewald's renowed ETH Zurich molecular biology professor leading the ETH-based Ewald lab (https://www.ewaldlab.com/), and one of the first labs in the world to implement a computer vision hybrid system capable of running lifespan tracking studies in batches (developed by Cyril Statzer).

2018 | 2017

Full stack web developer, Server admin (AWS)

CyQuant AG — Zürich, CH

- Quantitative analysis to quantify cyber risk for insurers / reinsurers.
- Visualization and plotting of quantitative data (MongoDB + Angular + D3.js)
- My stack included Javascript, Angular, SQL, MongoDB and Amazon AWS prioprietary tools.