

# 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  
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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](http://davidevitiello.com)

## CONTACT



[davide\\_vitiello@outlook.com](mailto:davide_vitiello@outlook.com)

🐙 [github.com/Davz33](https://github.com/Davz33)

## CODING SKILLS

R/Rstudio

Python

SQL/PostgreSQL

Docker

Bash, Zsh

Javascript/Typescript

## LANGUAGES

EN

IT

DE

ES

*Last updated on 2022-10-29.*

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 renowned 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 proprietary tools.