



**ANDREA
TONDELLA**
DATA SCIENTIST



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■ ABOUT ME

Professional with a background in quantitative and scientific research with emphasis on data analytics and data driven solutions. Multicultural education based in Italy, the Netherlands and Spain. Creative, and passionate about simple and elegant solutions. Looking at problems as a chance to learn, experiment and grow with my team.

■ EDUCATION

IE BUSINESS SCHOOL

Master in Big Data and Business Analytics.

MADRID, SPAIN

Oct. 2017 – Jul. 2018

POLITECNICO DI TORINO - TU DELFT

Master of Science, Material Engineering. *Top 5% of the class*

TURIN, ITALY - DELFT, NETHERLANDS

Sept. 2013 – Dec. 2015

POLITECNICO DI TORINO

Bachelor of Science, Material Engineering.

TURIN, ITALY

Sept. 2010 – Oct. 2013

■ PROFESSIONAL EXPERIENCE

GLOBALTMS

Data Scientist

MADRID, SPAIN

Jul. 2018 - Current

In-House Data Scientist:

- Mentor and go-to person for all machine learning and data-driven projects.
- Analytics manager for the development of an engagement monitoring platform, conceived for influencers and sport teams/federations.

External Consultant for Microsoft Corporation:

- Built a machine learning model to predict the results of LaLiga games, from the initial prototype to a production-ready service, hosted on Azure and integrated in the wider ecosystem of the project. Model accuracy: 53%, on a par with industry standards.

Q.I. COMPOSITES S.R.L.

Consultant

PIVERONE (TO), ITALY

Dec. 2015 - Sept. 2017

- Worked in 30+ facilities for automotive and naval industries, taking decisions based on analysis of information, historical data, AB testing and experiments.
- Direct contact with clients to report results and improve processes and techniques.

Key Projects:

- Kick-started the company's digital transformation with new best practices and tools.
- Designed a database app that decreased response time and improved information sharing between surveyors and boat managers of a major round the world regatta.

LAPINUS FIBRES B.V.

R&D Intern

ROERMOND, THE NETHERLANDS

Mar. 2015 - Aug. 2015

- Developed and characterized a coating able to create electricity from waste heat.
- Co-inventor in the patent covering the results of the research. Pat. n° WO2016146855A1 (goo.gl/GhFvk1).

■ TOOLS

Languages: Python, R, SQL. **Ideas:** Statistical models, Machine learning and Deep learning algorithms, ETL workflows, Marketing Mix Models, Recommendation Engines, Time series Analysis, NLP. **Cloud:** Hadoop, Spark, Azure and AWS. **Visualization:** ggplot, Tableau, Shiny. **DBMS:** MySQL, SQL Server, MongoDB. **Misc:** Adobe Creative Suite.

■ LANGUAGES

Italian (native), English (advanced), Spanish (advanced)

■ INTERESTING FACTS

- Pump It Up is the data science competition I'm proudest of. (Top 5% in the leaderboard at the time of submission).
- Trained a neural network (python + keras) to classify landslide prone terrains, in a team project sponsored by UNICEF, ESA and SAP.
- 4 years of volunteering in a nonprofit Media Lab with the mission to analyze and experiment with the cultural, social and political impact of new media.
- 20 years of sailing experience, regularly competing in the Italian Championship.