Ilaria Battiston

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Education

M.Sc. in Data Engineering and Analytics   **Technical University of Munich**
Munich, Germany   *October 2019 – present*

B.Sc. in Computer Science   **Università degli Studi di Milano-Bicocca**
Milan, Italy, 105/110   *September 2016 – July 2019*

Internships

Amazon Europe GmbH   **Munich, Germany**
Business Intelligence - Amazon AIR   *March 2021 – July 2021*

GITC Pro   **Remote work**
Postgres Database Administrator   *January 2020 – April 2020*

WikiToLearn   **Remote work**
Community Manager   *February 2019 – September 2019*

Consorzio Milano Ricerche   **Milan, Italy**
Healthcare Data Analyst   *October 2018 – July 2019*

Professional experience

Università degli Studi di Milano-Bicocca   **Remote work**
University Tutor for students with disabilities   *July 2020 – September 2020*

Appen   **Remote work**
Web Search Evaluator   *September 2018 – November 2019*

Scolarships and student programs

Deutschlandstipendium   **Munich, Germany**
Scholarship for extracurricular activities and good academic performance   *September 2019 – present*

Google Summer of Code 2020   **Remote work**
Student Developer for Postgres   *May 2020 – September 2020*

Google Summer of Code 2019   **Remote work**
Student Developer for Postgres   *May 2019 – September 2019*

Extracurriculars and volunteering

Student Representative (Technical University of Munich)   **Munich, Germany**
Semester speaker for the program of Data Engineering and Analytics   *May 2021 – present*

Google Summer of Code 2021   **Remote work**
Mentor for Postgres (three projects)   *May 2021 – present*

ITPug - Italian Postgres User Group   **Remote work**
Board member (Treasurer) and conference organizer   *September 2020 – present*

Tutoring Online Project   **Remote work**
Middle School tutor in Mathematics   *April 2020 – June 2020*

Postgres Europe   **Remote work**
Conference organizer, Code of Conduct Committee member, Call for Papers Committee member   *June 2019 – present*

Postgres Women **Remote**
Member, speaker and volunteer *March 2019 – present*

UnixMiB (Open Source students organization) **Milan, Italy**
Administrative Committee Member *April 2017 – present*

Publications

Association for Applied Statistics **ASA Conference 2019, book of short papers**
A Data Analytics framework: medical prescription pattern dynamics *September 2019*

Speaker experience

Introduction to Artificial Intelligence **Milan, Italy**
Linux Day 2019 *October 2019*

Exploratory analytics and Health Big Data on PostgreSQL **Milan, Italy**
PGConfEU 2019 *October 2019*

Postgres Women: what is it, why does it matter and what can everyone do about it? **Milan, Italy**
PgConfEU 2019 *October 2019*

A Data Analytics framework: medical prescription pattern dynamics **Brescia, Italy**
ASA Statistics for Health and Well Being 2019 *September 2019*

Machine learning approaches for prescription patterns analytics **Milan, Italy**
Data Science and Social Research 2019 *February 2019*

Languages

- **Italian:** mother tongue
- **English:** C1 level (TOEFL, 2019)
- **French:** B1 level
- **German:** B1 level

Programming skills

- Advanced SQL, query optimization, database administration basics with PostgreSQL
- Design and implementation of data pipelines (ETL, Redshift)
- Database-oriented paradigms and infrastructures (AWS, SPARQL, Spark)
- Non-relational databases basics (Neo4j, Redis, MongoDB)
- Unix-based systems knowledge (Red Hat certifications RH024, DO080, DO007)
- R for data analysis, tidying, visualization and machine learning
- Python for scripting, data analysis and API development (Django, Django-Rest)
- Web development (Javascript, Vue.js)
- Office and LibreOffice suite
- Version control systems (Git, SVN)
- Basic C/C++ knowledge (in progress)
- Documentation with Latex, Beamer and Markdown