

# Ilaria Battiston

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## Education

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- **Research Assistant, Database Architectures** **Amsterdam, The Netherlands**  
*Centrum Wiskunde & Informatica* *July 2022 – present*
- **M.Sc. in Data Engineering and Analytics** **Munich, Germany**  
*Technical University of Munich* *October 2019 – June 2022*
- **B.Sc. in Computer Science** **Milan, Italy**  
*Università degli Studi di Milano-Bicocca* *September 2016 – July 2019*

## Internships

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- **Business Intelligence Engineer for Aircraft Management** **Luxembourg, Luxembourg**  
*Amazon Europe GmbH* *March 2021 – July 2021*
- **Postgres Database Administrator** **Remote work**  
*GITC Pro* *February 2020 – April 2020*
- **Healthcare Data Analyst** **Milan, Italy**  
*Consorzio Milano Ricerche* *October 2018 – July 2019*

## Professional experience

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- **University Tutor for students with disabilities** **Remote work**  
*Università degli Studi di Milano-Bicocca* *July 2020 – September 2020*
- **Community Manager** **Remote work**  
*WikiToLearn* *February 2019 – September 2019*

## Scholarships and student programs

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- **Deutschlandstipendium** **Munich, Germany**  
*Technical University of Munich* *September 2019 – September 2021*
- **Student Developer** **Remote work**  
*Google Summer of Code 2020, the PostgreSQL project* *May 2020 – September 2020*
- **Student Developer** **Remote work**  
*Google Summer of Code 2019, the PostgreSQL project* *May 2019 – September 2019*

## Extracurriculars and volunteering

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- **Semester speaker, Data Engineering and Analytics** **Munich, Germany**  
*Technical University of Munich* *May 2021 – June 2022*
- **Organization Admin, Mentor** **Remote**  
*Google Summer of Code, the PostgreSQL project* *May 2021 – present*
- **Board member (Treasurer)** **Remote**  
*ITPug - Italian Postgres User Group* *September 2020 – present*

- Conference Organizer, Call for Papers Committee member  
*The PostgreSQL project*
**Remote**  
June 2019 – present
- Administrative Committee Member  
*UnixMiB (Open Source students organization)*
**Milan, Italy**  
April 2017 – present

## Publications

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- A Data Analytics Framework: Medical Prescription Pattern Dynamics  
*Association for Applied Statistics*
**ASA Conference 2019**  
September 2019

## Speaker experience

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- Introduction to Artificial Intelligence  
*Linux Day 2019*
**Milan, Italy**  
October 2019
- Exploratory analytics and Health Big Data on PostgreSQL  
*PGConfEU 2019*
**Milan, Italy**  
October 2019
- A Data Analytics framework: medical prescription pattern dynamics  
*ASA Statistics for Health and Well Being 2019*
**Brescia, Italy**  
September 2019
- Machine learning approaches for prescription patterns analytics  
*Data Science and Social Research 2019*
**Milan, Italy**  
February 2019

## Languages

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- Italian: mother tongue
- English: C1 level (TOEFL, 2019)
- French: B1 level
- German: B2 level
- Dutch: A2 level (in progress)

## Programming skills

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- 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)
- C/C++ database and systems programming (in progress)
- Documentation with Latex, Beamer and Markdown

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