




## Andrea Zanellati

Date of birth: 20/03/1987

Nationality: Italian

Gender: Male

### CONTACT

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### WORK EXPERIENCE

**31/10/2020 - CURRENT** - Bologna, Italy

#### PhD Candidate

Università di Bologna

- Research in Educational Data Mining and Learning Analytics as PhD Student in Data Science and Computation

**15/05/2022 - CURRENT** - Frankfurt, Germany

#### Visiting Researcher

DIPF - Leibniz Institute for Research and Information in Education

**31/10/2020 - CURRENT** - Bologna, Italy

#### Independent collaborator for school publishing

Zanichelli - Freelance

- Production of math exercises and chapters revision for secondary high school

**09/2022 - 10/2022** - Bologna, Italy

#### University teaching assistant

University of Bologna

- Crash Course Mathematics for first year students in Economic and Management (Forlì Campus)

**07/2021 - 05/2022** - Modena, Italy

#### Data scientist

Future Education Modena - Freelance

- Support for the design of data-driven models for the longitudinal analysis of competences across the board of experimental educational projects
- Process Manager for the "DataScience" strategic program
- Development of EdTech prototypes based on Educational Data Mining and Machine Learning

**23/02/2021 - 29/09/2021** - Bologna, Italy

#### University teaching assistant

Università di Bologna

- Tutor for Python Lab Activities

**31/08/2020 - CURRENT** - Imola, Italy

#### Mathematics and Physics teacher secondary school

Liceo Rambaldi-Valeriani-A.da Imola

- Maths and Physics teaching activities

Actually in leave of absence period for a PhD activity

**30/10/2018 – 29/09/2019**

**University Adjunct Teacher in Mathematics**

Università di Bologna - Architecture and Engineer Department

- Main teacher and examiner for the module of Geometry (6cfu) in the Degree course of Architecture

**Address** Bologna, Italy

**31/08/2017 – 30/08/2020** – Imola, Italy

**Mathematics teacher secondary school**

I.I.S. "F.Alberghetti"

- teaching activities both for teenagers and adults
- coordinator for the mathematics teachers of the school
- coordinator for many projects (CLIL, Work-experience in Italy and abroad, study advisory service)

**Address** Imola, Italy

**29/09/2011 – 29/09/2012**

**University teaching assistant**

Università di Bologna - Industrial Chemistry Department

- Tutoring activities for MatLab and exercises in Calculus

**Address** Bologna, Italy

**31/08/2013 – 30/08/2016** – Castel San Pietro Terme, Italy

**Vice-Principal**

Liceo Malpighi

- Educational Projects Management
- Human Resources
- Organizational and didactic support

**31/08/2011 – 30/08/2016** – Bologna, Italy

**Mathematics, Computer Science and Physics teacher secondary school**

Liceo Malpighi

- Math and IT teaching activities both for teenagers
- coordinator for the mathematics teachers of the school

**Address** Bologna, Italy

**EDUCATION AND TRAINING**

**31/10/2020 – CURRENT**

**PhD in Data Science and Computaion**

Università di Bologna

**29/09/2019 – 29/09/2020** – Bologna, Italy

**30 cfu in Master in Artificial Intelligence**

Università di Bologna

three courses (30cfu) to enrich my previous studies in Mathematics:

Fundamental of Artificial Intelligence and Knowledge Rappresentation 30/30

Machine Learning and Depp Learning 30/30

Combinatorial Decision Making and Optimization 29/30

**Address** Bologna, Italy

31/08/2015 – 30/08/2016

**Master in Management of Educational Agencies (60 cfu)**

Università Marconi

30/09/2013 – 14/07/2014 – Bologna, Italy

**Teaching Degree in Mathematics and Physics**

Università di Bologna

**Address** Bologna, Italy | **Final grade** 99/100 | **National classification** 99/100

30/09/2009 – 23/06/2011 – Bologna, Italy

**Master Degree in Mathematic**

Università di Bologna

**Address** Bologna, Italy | **Final grade** 110/110 cum laude | **National classification** 110/110 cum laude | **Thesis** Degree thesis in Biomathematics "Fister-Panetta Model for the Growth of Tumoral Cells: Qualitative

31/08/2006 – 16/07/2009 – Bologna, Italy

**Degree in Mathematic**

Università di Bologna

**Address** Bologna, Italy | **Final grade** 110/110 | **National classification** 110/110 | **Thesis** Degree thesis in Biomathematics: "Hassel Model"

## LANGUAGE SKILLS

**MOTHER TONGUE(S):** Italian

**OTHER LANGUAGE(S):**

**English**

**Listening**  
C1

**Reading**  
C2

**Spoken  
production**  
B2

**Spoken  
interaction**  
B2

**Writing**  
C1

**French**

**Listening**  
A2

**Reading**  
B1

**Spoken  
production**  
A2

**Spoken  
interaction**  
A2

**Writing**  
A2

## DIGITAL SKILLS

### My Digital Skills

Programmin language PYTHON / MATLAB&Simulink / Programming C / R statistic / Microsoft Excel / Microsoft Office / Latex Software / Programming - Prolog / Google Colaboratory / Jupyter notebooks / Google suite (Gmail Google Drive Google Slide Google Docs Google Sheets Google Forms Google)