

# Davide Belli

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## EDUCATION

### UNIVERSITY OF AMSTERDAM

MSC IN ARTIFICIAL INTELLIGENCE  
Expected July 2019 | Amsterdam, NL  
Average Grade: 8.9

### UNIVERSITY OF TRENTO

BSC IN COMPUTER SCIENCE  
Grad. July 2017 | Trento, IT  
Final Grade: 110 with honours

### LICEO ENRICO FERMI

SCIENTIFIC HIGH SCHOOL  
Grad. July 2014 | Mantova, IT  
Final Grade: 100/100

## SKILLS

### LANGUAGES

Italian (Mother tongue)  
English (IELTS proficiency)

### PROGRAMMING

Python • PyTorch • MATLAB • C++  
Java/J2EE • Android • Node.js

### OTHER TECHNOLOGIES

LaTeX • Git • SQL • XML • HTML/CSS  
Adobe PS • Sony Vegas

## COURSEWORK

### GRADUATE

Machine Learning I, II  
Computer Vision I, II  
NLP, Deep Learning for NLT  
Deep Learning  
Reinforcement Learning  
Information Retrieval

### UNDERGRADUATE

Algorithms and Data Structures  
OS, Networks, Databases  
Functional and Object Programming  
Web and Mobile Programming  
Software Engineering I, II  
Probability and Statistics  
Calculus, Linear Algebra, Logics

## SCHOLARSHIPS

Scholarship G. Favriani 2018-2019  
Merit grant TIM 2017-2019  
Merit Award University of Trento 2017  
Merit Award Confindustria 2014-2015

## EXPERIENCE

### TEACHING ASSISTANT | UNIVERSITY OF AMSTERDAM

October 2018 - May 2019 | Amsterdam, NL

- I am currently a TA for Machine Learning 1, Information Retrieval 1 and Deep Learning courses for the MSc in Artificial Intelligence at UvA.

### RESEARCH PAPER (ECCV 2018) | UNIVERSITY OF AMSTERDAM, ILLC

June 2018 | Amsterdam, NL

- In this applied AI group project I worked at multimodal learning combining visual and linguistic features. Our work *Adding Object Detection Skills to Visual Dialogue Agents* was accepted as workshop paper at ECCV 2018.

### HONOURS PROGRAMME | UNIVERSITY OF AMSTERDAM, AMLAB

Spring 2018 | Amsterdam, NL

- As a top student at UvA participating in the honours programme, I joined a research project focused on applying Deep Generative Networks to medical diagnosis tasks. The results of our work are discussed in the papers *Chest X-ray Inpainting with Deep Generative Models* and *Context Encoding Chest X-rays*.

### NLP PROJECTS | UNIVERSITY OF AMSTERDAM

Fall 2017 - Fall 2018 | Amsterdam, NL

- As group projects for NLP and DL for NLT courses, I worked at Twitter Sentiment Analysis on SemEval-2017 data and Automated Essay Scoring with ASAP dataset. For both projects, I implemented various types of RNNs and CNNs and studied and applied new embeddings like SSWE and ELMo.

### INTERNSHIP AND THESIS | UNIVERSITY OF TRENTO

March - July 2017 | Trento, IT

- I developed a smart instant messaging application for Android featuring an additional NLU component to detect user intents. This component controls a recommender system embedded inside user-to-user chats. My work is discussed in *Implementing Chatbots into Instant Messaging Applications*.

### BRONZE MEDALIST AT ACM-ICPC

Fall 2016 | University of Porto, PT

Fall 2018 | Universities of Louvain-la-Neuve (BE), Eindhoven (NL)

- I represented the University of Trento at the swerc ACM-ICPC 2016 held in Porto, resulting in a Bronze Medal. I reached good placements as well at BAPC 2018 (Louvain-la-Neuve) and nwer ACM-ICPC 2018 (Eindhoven), representing the University of Amsterdam.

### INTERNATIONAL CHAMPIONSHIPS OF MATHEMATICAL GAMES

2008 - 2013 | Bocconi University, Milan, IT

- For six consecutive years, I reached excellent placements at the final phase of the CIGM, with the best placement at the 7th position over 9000 participants.

## VOLUNTEER WORK

2018	Volunteer at World Summit AI 2018, Amsterdam
2017 - 2019	Member and Treasurer of the Master Committee at UvA
2015 - 2017	Tutoring students in Maths, Physics and Computer Science
2010 - 2017	Kids entertainer, being responsible for more than 150 children