

# Davide Belli

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## EDUCATION

### UNIVERSITY OF AMSTERDAM

MSC IN ARTIFICIAL INTELLIGENCE  
 Expected July 2019 | Amsterdam, NL  
 Average Grade: 9.0

### 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 (Proficient, Band 7.5 IELTS)

### PROGRAMMING

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

### OTHER TECHNOLOGIES

TeX • Git • SQL • XML • HTML/CSS  
 Adobe PS CS6 • Sony Vegas 13

## COURSEWORK

### GRADUATE

Machine Learning  
 Natural Language Processing  
 Computer Vision  
 Information Retrieval  
 Deep Learning

### UNDERGRADUATE

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

## SCHOLARSHIPS

Scholarship G. Favriani 2018/2019  
 Merit Award University of Trento 2017  
 Merit Award Confindustria 2014/2015

## EXPERIENCE

### UNIVERSITY OF AMSTERDAM | TEACHING ASSISTANT

October 2018 - February 2019 | Amsterdam, Netherlands

- I will be a TA for Machine Learning 1 and Information Retrieval 1 courses for the MSc in Artificial Intelligence at UvA.

### UNIVERSITY OF AMSTERDAM, ILLC | AI PROJECT

June 2018 | Amsterdam, Netherlands

- In this applied AI group project I worked at multimodal learning combining visual and linguistic features. Our work is discussed in *Adding Object Detection Skills to Visual Dialogue Agents* in Proceedings of SiVL workshop at ECCV 2018.

### UNIVERSITY OF AMSTERDAM, AMLAB | HONOURS PROGRAMME

Spring 2018 | Amsterdam, Netherlands

- 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 paper *Chest X-ray Inpainting with Deep Generative Models*.

### UNIVERSITY OF AMSTERDAM | NLP PROJECT

Fall 2017 | Amsterdam, Netherlands

- 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.

### UNIVERSITY OF TRENTO | INTERNSHIP AND THESIS: IMPLEMENTING CHATBOTS INTO INSTANT MESSAGING APPLICATIONS

March - July 2017 | Trento, Italy

- As an internship project and Bachelor Degree thesis, I developed from scratch a smart instant messaging application for Android. In addition to IM features, it has an NLU component triggered by user intent recognition which controls a recommender system embedded inside user-to-user chats.

### UNIVERSITY OF PORTO | BRONZE MEDALIST AT ACM-ICPC

Fall 2016 | Porto, Portugal

- I represented the University of Trento at the ACM-ICPC held in Porto (Portugal) on November 2016 resulting in a Bronze Medal placement.

### BOCCONI UNIVERSITY | CAMPIONATI INTERNAZIONALI DI GIOCHI MATEMATICI

2008 - 2014 | Milan, Italy

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

## VOLUNTEER WORK

- 2017 - 2018 Member and Treasurer of the Master Committee at UvA, organizing events for Master students
- 2014 - 2017 Tutoring university and high-school students in Maths, Physics and Computer Science
- 2010 - 2017 Kids entertainer, being responsible for more than 150 children