

MARIO GIULIANELLI

PERSONAL INFORMATION

BIRTHDATE & BIRTHPLACE: 6th April 1995 in Rome, Italy
NATIONALITY: Italian
ADDRESS: Carolina MacGillavrylaan 2206,
1098 XK, Amsterdam
The Netherlands
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EDUCATION

2009–2014 Italian General Certificate of Education,
Diploma di maturità linguistica,
Liceo Classico Linguistico "Aristofane", Rome | Final grade: 100/100
2011–2014 French General Certificate of Education,
Diplôme du Baccalauréat Général,
Liceo Classico Linguistico "Aristofane", Rome | Final grade: 18/20
MARCH 2012 Student exchange Brie-Comte-Robert, France
OCTOBER 2012 Student exchange Glastonbury, Connecticut, USA
2014–2017 **B.A. in Computational Linguistics**,
University of Tübingen | Final grade: 1.2 - ECTS A - First Class
since SEPTEMBER 2017 **M.Sc. in Artificial Intelligence**,
University of Amsterdam | Grade average: 9.0

WORK EXPERIENCE

SEPTEMBER 2015 to FEBRUARY 2016	TEACHING ASSISTANT <i>at the University of Tübingen, Linguistics Department</i> Data Structures and Algorithms I (JAVA) lab session and correction of students' submissions
MARCH 2016 to JULY 2016	TEACHING ASSISTANT <i>at the University of Tübingen, Linguistics Department</i> Data Structures and Algorithms II (JAVA) lab session and correction of students' submissions RESEARCH ASSISTANT <i>at the University of Tübingen, Linguistics Department</i> Development from scratch of a language learning Android application focused on German speech perception
OCTOBER 2016 to FEBRUARY 2017	SOCIAL MEDIA ANALYTICS INTERN <i>at IBM Lab Böblingen</i> Development of sentiment analysis and information extraction functionalities for the IBM Watson Analytics system

ACKNOWLEDGEMENTS AND SCHOLARSHIPS

- MARCH 2014 *Certificat d'Inscription au Tableau d'Honneur*
Acknowledgement for advanced knowledge of French
Association des Membres de l'Ordre des Palmes Académiques
- 2016-2017 *Deutschlandstipendium*
The *Deutschlandstipendium* supports highly talented students at all participating universities in Germany. The scholarship is awarded without consideration of income and nationality.
- 2017-2018 *Amsterdam Science Talent Scholarship*

LANGUAGES

- ITALIAN: native language
- ENGLISH: full professional proficiency | IELTS Band 8
- GERMAN: fluent | Goethe-Zertifikat B2 (grade: *sehr gut*)
- FRENCH: fluent | DELF B2

THESIS AND PROJECTS

- B.A. Thesis* Semi-supervised emotion lexicon expansion with label propagation and specialized word embeddings.
(Grade 1.0, German equivalent of A+.)
- NLP* Evaluating the syntactic competence of RAN language models.
- Knowledge Representation* When intuition misfires: Hyper Sudokus are harder than standard Sudokus.
- Computational Intelligence* Self driving controllers for TORCS.
Implementation of a controller for the The Open Racing Car Simulator using computational intelligence methods: feedforward and recurrent neural networks, reservoir computing, evolutionary algorithms, and swarm intelligence.
- Digital Humanities* Extraction of event graphs from Kafka's short stories.
Automatic annotation of emotional events and temporal relations.
- Logic* Parser for logic statements with generation of truth tables and Beth-Tableaux in JAVA.
- Psycholinguistics* Response time of German native speakers reacting to different types of foreign mispronunciations.

TALKS

- 26th January, 2018 Semi-supervised emotion lexicon expansion with label propagation.
CLIN28, Computational Linguistics in the Netherlands.

RESEARCH INTERESTS

Natural Language Understanding and Generation

Semantic parsing and pragmatic inference

Neural language models and representation learning

Philosophy of Artificial Intelligence and AI safety

Quantitative and Cognitive Linguistics, Sociolinguistics

IT COMPETENCES

- Programming languages: JAVA, PYTHON (advanced);
PROLOG (intermediate);
R, JAGS, JAVASCRIPT (beginner)
- Markup languages: HTML, CSS, XML, XSLT, XPATH (intermediate)
- Text processing: \LaTeX , Microsoft Word, LibreOffice Writer
OSX Pages (intermediate)
- Presentations: Microsoft PowerPoint, LibreOffice Impress,
OSX Keynote (intermediate)
- Spreadsheets: Microsoft Excel, LibreOffice Calc,
OSX Numbers (intermediate)
- Phonetic Analysis: PRAAT (advanced)
- Operating systems: UNIX-based (OSX, Ubuntu), Windows