

Gisela Vallejo

M.Sc. in Computational Linguistics interested in Natural Language Processing,
Deep Learning, Information Extraction and Validation

Contact

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Education

University of Stuttgart
M.Sc., Computational Linguistics (with distinction)
Apr 2016 - Dec 2017
Stuttgart, Germany

University of Stuttgart
B.Sc., Natural Language Processing
Oct 2010 - Apr 2016
Stuttgart, Germany

University of Quindío
Dipl., Modern Languages
Jan 2003 - Dec 2008
Armenia, Colombia

Skills & Interests

Programming

Python, Java, SQL, SHell (fluent)

Software Tools & Frameworks

TensorFlow, IntelliJ, Eclipse, GIT, scikit-learn, PyTorch, Docker, Keras, Jupyter Notebooks, Scrum

Interests

Machine learning, e.g. Deep learning, Natural language processing, Automatic emotion recognition, Data mining & statistical analysis, Software development & prototyping

Languages

Spanish (native)
English, German (fluent)
French, Italian, Portuguese (basic)

Leadership

Oct 2010 - Dec 2017, member of the Computational Linguistics Students Representatives

Jun 2018, Tutor at the Lisbon Machine Learning School (LxMLS 2018)

Jul 2019, Tutor at the Lisbon Machine Learning School (LxMLS 2019) Best tutor award

Work Experience

UKP Lab TU Darmstadt | Natural language processing researcher

Since Jan 2019 | Darmstadt, Germany

- Exploring new deep neural network architectures for fact checking
- Evaluating and analyzing obtained models on existing datasets
- Conducting a crowdsourcing task for paraphrasing over 16k claims
- Organizing a regular research seminar including guest talks
- Preparing teaching materials and assignments for a course with over 150 students

Novatec Consulting GmbH | Machine learning consultant

Apr 2018 - Dec 2018 | Echterdingen, Germany

- Supervised three master and bachelor thesis students
- Participated as lecturer at machine learning events, e.g. summer schools, seminars and workshops with more than 12 attendees.
- Developed deep learning based prototypes as solutions for several customers

Daimler AG | User experience intern

Jun 2016 - Dec 2017 | Böblingen, Germany

- Analyzed user study data to specify new features in the In-Car dialog system
- Automated data annotation processes in Python
- Tested In-Car dialog systems' performance
- Designed and conducted user studies

Sony GmbH | Software engineer intern (graduation project)

Oct 2015 - Apr 2016 | Stuttgart, Germany

- Analyzed a machine learning-based converter for dependencies into phrase structures
- Designed and executed the evaluation of the converter
- Maintained the project documentation

Mercedes-Benz Research & Development North America Inc. |

User interaction intern

Sep 2013 - Sep 2014 | Sunnyvale, California, USA

- Developed a tool in Python used to migrate data from Excel to XML
- Drafted, reviewed and updated user flow specification documents
- Designed and pitched the idea of an activity-finding app to the company's senior managers as part of a business incubator program.

Publications and Awards

An Annotation Protocol for Collecting User-Generated

Counter-Arguments using Crowdsourcing, Paul Reisert, Gisela Vallejo, Naoya Inoue, Iryna Gurevych, and Kentaro Inui, (AIED), 2019.

Context-aware Neural-based Dialog Act Classification on

Automatically Generated Transcriptions, Daniel Ortega, Chia-Yu Li, Gisela Vallejo, Pavel Denisov, Thang Vu, (ICASSP), 2019

1st place Data Science Society Datathon Hack the News, Jan 2019

For being able to identify propaganda in news articles at three different levels, i.e. document classification, sentence classification and sequence labeling.

2nd place and Most creative idea Mercedes-Benz Hackathon, Aug 2014

For 'Snitch', a system to rate drivers. The main components included a backend to store driver information, a projector to display ratings directly onto the street, a camera to detect a license plate with pre-built open-source libraries, and an Android app as user interface.