Gisela Vallejo

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

Contact

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Education

UKP Lab TU Darmstadt
Ph.D. candidate
Topic: Information validation
Jan 2019- expected Dec 2023
Darmstadt, Germany

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
B.A., 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 at Lisbon
Machine Learning School
(LxMLS 2018)

Work Experience

UKP Lab TU Darmstadt | Natural language processing researcher
Since Jan 2019 | Darmstadt, Germany
- Designing deep neural network architectures in order to verify information
- Analyzing existing data sets for claim verification
- Organizing a regular research seminar including guest talks

Novatec Consulting GmbH | Machine learning consultant
Apr 2018 - Dec 2018 | Echterdingen, Germany
- Supervised at least three master and bacherlor 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
- Mantained the project documentation

Compart AG | Software engineering intern
Dec 2014 - Sep 2015 | Böblingen, Germany
- Developed a language detector for documents in Java
- Improved the code quality including debugging with SonarQube
- Mantained 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

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.