

# MELANIE TOSIK

New York, NY

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melanietosik.com

## EDUCATION

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**New York University**, New York, NY expected 05/2019

M.S., Computer Science

**University of Potsdam**, Potsdam, Germany 10/2011 – 09/2015

B.S., Computational Linguistics

## PROFESSIONAL EXPERIENCE

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**Data Science Intern** 06/2018 – 08/2018

BuzzFeed

New York, NY

Developed a machine learning tool to provide content recommendations for natural language inputs

**Data Science Consultant** 07/2017 – 12/2017

Underdog.io

New York, NY

Automated internal processes for resume parsing and candidate-company matching

**Research Engineer – NLP** 10/2015 – 06/2017

WayBlazer

Austin, TX

Designed a dialogue system around natural language understanding and ontology extraction

**Research Intern** 06/2014 – 08/2014

Textkernel

Amsterdam, The Netherlands

Improved multilingual resume parsing by integrating word embeddings into a sequence labeling model

**Undergraduate Research Assistant** 07/2013 – 04/2014

Applied Computational Linguistics Discourse Research Lab

University of Potsdam

Co-developed a Python tool for automatic coreference resolution

## PUBLICATIONS

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[“Neural Networks and Quantifier Conservativity: Does Data Distribution Affect Learnability?”](#)

Vishwali Mhasawade, Ildikó E. Szabó, Melanie Tosik, and Sheng-Fu Wang. 2018.

[“Debunking Fake News One Feature at a Time.”](#)

Melanie Tosik, Antonio Mallia, and Kedar Gangopadhyay. 2018.

[“Word Embeddings vs Word Types for Sequence Labeling: the Curious Case of CV Parsing.”](#)

Melanie Tosik, Carsten L. Hansen, Gerard Goossen, and Mihai Rotaru. 2015.

## SKILLS AND INTERESTS

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- Proficient in Python, Java, C++, R, Git, AWS, NoSQL, Elasticsearch, and related technologies
- Experienced with common NLP/ML toolkits and frameworks, including spaCy, SciPy, NumPy, CoreNLP, PyTorch, IBM Bluemix, etc.
- Familiar with ML algorithms for clustering, classification, sequence labeling, and deep learning
- Versed in knowledge base construction and entity linking using RDF, SPARQL, and DBpedia

## POSTERS AND PRESENTATIONS

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Melanie Tosik. “Practical Question Answering.” *General Assembly*, Austin, 2018.

Melanie Tosik. “Generating personalized travel recommendations from natural language queries.” *Data Day Seattle*, Seattle, 2016.

## TEACHING EXPERIENCE

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**Graduate Teaching Assistant** Fall 2018

“Predictive Analytics”

Instructor: Dr. Anasse Bari

Courant Institute of Mathematical Sciences, New York University

**Graduate Teaching Assistant** Spring 2018

“Big Data Science”

Instructor: Dr. Anasse Bari

Courant Institute of Mathematical Sciences, New York University

**Teaching Assistant** Fall 2014

“Techniques in Computational Linguistics”

Instructor: Prof. Dr. Alexander Koller

Department of Linguistics, University of Potsdam

**Teaching Assistant** Summer 2013

“Self-reflection and Planning”

Department of Linguistics, University of Potsdam

## LANGUAGES

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**German** (native), **English** (fluent), **French** (working knowledge)