

# SIMONA DONEVA

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Zürich, Switzerland    Date/Place of Birth: 30.11.1994/ Varna, Bulgaria  
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## PROFESSIONAL EXPERIENCE

### PhD Researcher, EBPI, Center for Reproducible Science

April 2023 – present    Zürich, Switzerland

### Data Analytics Consultant, D ONE

November 2020 – February 2023    Zürich, Switzerland

### Master Thesis Project, Bosch Center for AI

February 2020 – August 2020    Stuttgart, Germany

### Working Student Language Technology Group, SAP SE

July 2019 – Jan 2020    Walldorf, Germany

### Research Assistant in NLP, Data and Web Science Group

February 2019 – July 2019    University of Mannheim

### Working Student IT Web and Digital Analytics, SAP SE

January 2017 – July 2018    Walldorf, Germany

## SELECTED PROJECTS

### Problem Solving with AI Techniques

September 2018 – December 2018    SJTU, China

- Individual and team assignments for the implementation of Search Algorithms, Bayesian Models, ANN and Reinforcement Learning.
- Technologies : Python and TensorFlow

### Role of Named Entities in the context of Open Information Extraction

October 2017 – August 2018    Mannheim Universtiy, Germany

- Team Project for improving the performance of an open information extraction system.
- Technologies : SpaCy, Stanford CoreNLP, Java, Python

See : <https://github.com/simonada> for project examples.

## EXTRACURRICULAR ACTIVITIES

### Collaborative Art Projects

July 2019 - present    Instagram

### Bronnbacher Scholarship from Kulturkreis der deutschen Wirtschaft

March 2019 - March 2020    Germany

- "Cultural Education for Prospective Leaders": 8 art-centered workshops in a group of 17 selected students from the University of Mannheim and Karlsruhe Institute for Technology.

## PUBLICATIONS

### Differentiable Implicit Layers

Nov 2020    Workshop @ NeurIPS 2020

### Terminology-Constrained Neural Machine Translation at SAP

April 2020    EAMT p.291.

## EDUCATION

### MSc in Business Informatics (GPA 3.5)

2017 – 2020    Mannheim University

- Specialization: Web and Data Science
- Semester Abroad: Shanghai Jiao Tong University, China
- Master Thesis: *Implicit Neural Ordinary Differential Equations* (Grade A-)

### BSc in Business Informatics (GPA 2.9)

2016 – 2017    Mannheim University

### BSc in Business Administration (GPA 2.8)

2013-2016    Mannheim University

- Semester Abroad: Nanyang Technological University, Singapore
- Bachelor Thesis: *Distributed Computing for Computation-intensive Algorithms in Supply Chain Management* (Grade A+)

## ACHIEVEMENTS

**SAP FastTrack Program**  
Selected as part of the top 10% highest performing working students in Germany, Austria, and Switzerland.

**Hackathon Industrial Data Analytics**  
First place, organised by STADS University of Mannheim in coop. with d-fine and Villeroy & Boch.

## TECHNICAL COMPETENCIES

Machine Learning    AI    NLP  
Microsoft Azure    Databricks  
Software Engineering    Computer Vision

Python    PyTorch    TensorFlow    Java

MS PowerBI    SQL    Jira    LaTeX

MATLAB (basic)    C++ (basic)

## LANGUAGES

Bulgarian    ●●●●●●  
Russian    ●●●●●●  
German    ●●●●●●  
English    ●●●●●●  
French    ●●●●●●  
Chinese    ●●●●●●