

Curriculum Vitae

Rati DEVIDZE

PERSONAL DATA

PLACE AND DATE OF BIRTH: Chiatura, Georgia | 1994
ADDRESS: Campus E1.5, Saarbrücken, Germany
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EDUCATION

10/2018 - TODAY PhD student at **Max Planck Institute for Software Systems**
Saarbrücken, Germany
Interests: *Machine Learning, Machine Teaching, Reinforcement Learning*

10/2016 - 09/2018 Graduate School of Computer Science
Saarland University, Saarbrücken, Germany
Selected Courses: *The Elements of Statistical Learning,*
Deep Learning, Information Retrieval and Data Mining, Cryptography,
Database Systems

09/2012 - 07/2016 Bachelor of Science, Computer Science
Tbilisi State University, Tbilisi, Georgia
Selected Courses: *Algorithms and Data Structures, Statistics,*
Discrete Mathematics, Operation Research, Multivariable Calculus, Linear Algebra
GPA: 4/4

08/2014 - 09/2014 DAAD Summer School
RWTH Aachen University, Aachen, Germany

WORK EXPERIENCE

03/2016 - 08/2016	<i>.Net Software Developer</i> <i>Prodware Group</i> <i>Tbilisi, Georgia</i> <ul style="list-style-type: none">• Implemented new software products for business ideas• Added new functionalities to existing softwares and fix old bugs
04/2014 - 03/2016	<i>Engineer Programmer</i> <i>Akhali Kselebi Ltd</i> <i>Tbilisi, Georgia</i> <ul style="list-style-type: none">• Implemented desktop applications for the station operators• Analysed international call statistic using ASP.NET• Implemented Windows and Web-services of billing system for Telecommunications

PROJECTS

03/2018 - 05/2018	MPI-SWS <i>Research Immersion lab with Dr. Adish Singla</i> <ul style="list-style-type: none">• Worked on the iterative machine teaching problem in the context of Markov Decision Process• Implemented Markov Decision Process solver and did experiments to evaluate theoretical results
07/2017 - 09/2017	CISPA <i>Research Immersion lab with Prof. Michael Backes</i> <ul style="list-style-type: none">• Worked on accountability of security protocols• Analyzed security of these protocols using theorem prover Tamarin
03/2014 - 07/2014	Tbilisi State University <i>Semester Project with Prof. Ramaz Botschorishvili</i> <ul style="list-style-type: none">• Worked on deriving mathematical formulation of the coupling of ODE & PDE models for parallel numerical simulations
03/2015 - 07/2015	Tbilisi State University <i>Semester Project with Prof. Alexander Gamkrelidze</i> <ul style="list-style-type: none">• Worked on adaptation process of an open source OCR system to digitize Georgian alphabet

HONORS AND AWARDS

- 09/2016 - Today | *Graduate School of Computer Science* (3% of the applicants are selected)
- 08/2014 - 09/2014 | *German Academic Exchange Service (DAAD)*
- 09/2012 - 07/2016 | *President's Scholarship at the Tbilisi State University*

PROGRAMMING LANGUAGES

Python, C++, C#

SPOKEN LANGUAGES

GEORGIAN: Mother tongue
ENGLISH: Fluent
GERMAN: Fluent
RUSSIAN: Intermediate

PUBLICATIONS

1. Sebastian Tschiatschek, Ahana Ghosh, Luis Haug, Rati Devidze, and Adish Singla. Learner-aware teaching: Inverse reinforcement learning with preferences and constraints. [abs/1906.00429](#), 2019
2. Parameswaran Kamalaruban, Rati Devidze, Volkan Cevher, and Adish Singla. Interactive teaching algorithms for inverse reinforcement learning. In *Proceedings of the Twenty-Eighth International Joint Conference on Artificial Intelligence, IJCAI 2019, Macao, China, August 10-16, 2019*, pages 2692–2700, 2019
3. Goran Radanovic, Rati Devidze, David C. Parkes, and Adish Singla. Learning to collaborate in markov decision processes. In *Proceedings of the 36th International Conference on Machine Learning, ICML 2019*, pages 5261–5270, 2019