Curriculum Vitae

Rati DEVIDZE

PERSONAL DATA

PLACE AND DATE OF BIRTH:	Chiatura, Georgia | 1994
ADDRESS:	Campus E1.5, Saarbrücken, Germany
PHONE:	+49 1577 4107975
EMAIL:	r.devidze@gmail.com
WEB SITE:	Rati Devidze

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	*.Net Software Developer* *Prodware Group* *Tbilisi, Georgia* • Implemented new software products for business ideas • Added new functionalities to existing softwares and fix old bugs
04/2014 - 03/2016	*Engineer Programmer* *Akhali Kselebi Ltd* *Tbilisi, Georgia* • 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** *Research Immersion lab* with **Dr. Adish Singla** • 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** *Research Immersion lab* with **Prof. Michael Backes** • Worked on accountability of security protocols • Analyzed security of these protocols using theorem prover Tamarin
03/2014 - 07/2014	**Tbilisi State University** *Semester Project with* **Prof. Ramaz Botschorishvili** • Worked on deriving mathematical formulation of the coupling of ODE & PDE models for parallel numerical simulations
03/2015 - 07/2015	**Tbilisi State University** *Semester Project with* **Prof. Alexander Gamkrelidze** • 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. abs/1905.11867, 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