Simon Razniewski

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Citizenship German

Date of Birth 25.11.1987

Research Interests Data Quality, Business Intelligence, Machine Learning

Education

Free University of Bozen-Bolzano, Italy — Since 2011

PhD Student in Computer Science

- Thesis topic: *Query-driven Data Completeness Management*, supervised by Prof. Nutt
- Consultant on Data Quality for the province of Bolzano in a project for the development of a new school information system, since July 2011
- Research visit at the database group of the University of California, San Diego, January and February 2012

Technische Universität Dresden, Germany — since 2006

Master (Diplom), Computer Science, December 2010

- Thesis topic: *Completeness of Queries over Incomplete Databases*, supervised by Prof. Baader, external supervision by Prof. Nutt
- Final grade: *1.3*
- Specialisation: *Intelligent Systems*
- Study year abroad: *Free University of Bozen-Bolzano, Italy, 2008/2009*
- Intermediate diploma: *Average 2.4*, September 2008

Schülerrechenzentrum Dresden, Germany — 2003 to 2005

Computer science courses for high school students

- Participation in state-wide computer science competitions
- Attendance of university lectures including examinations

St. Benno-Gymnasium Dresden, Germany — 1998 to 2006

High school diploma, July 2006

- Average: *1.6*
- Linguistic profile with French as third foreign language

Academic Appointments

Research Assistant — September 2010 to November 2010
Faculty of Computer Science,
Free University Bozen-Bolzano

- Project Magik: Development of the specification of a system for supporting the completeness management of a database

Awards

Enterprise Information Infrastructure Network

- Travel scholarship of 1500 AUD for attending the EII PhD school 2011 in Kioloa, Australia

Technische Universität Dresden

- 1st place in lab competition Megasim2010 for the course "Production Management for Semiconductor Foundries" by Prof. Rose, 2010
- 1st place in SAT-solver competition course "Satisfiability Testing" by Prof. Hölldobler with the SAT-solver InfusionVX, 2008

Saxonian Computer Science Competition (>1000 participants)

- 1st price in first level, 7th place in finals, 2004
- 1st price in first level, 2nd place in finals, 2005

Gliding

- selected member of junior gliding team of state Saxony 2008, 2009
- 2nd place in saxonian junior gliding championchip, 2008
- flights in german gliding premier league with team Aeroclub Pirna, 2008

Professional Experience

Globalfoundries Inc. (former AMD), Dresden, Germany

Research Intern for Wafer Test Failure Detection February 2010 to March 2010

- Analysed and linked wafer test data
- Conducted machine learning experiments for wafer test failure detection
- Proposed and built a test failure classification system

Siemens IT Solutions and Services, Nixdorfpark, Paderborn, Germany

Software Development Intern July 2009 to October 2009

- Analysed server structure data and developed efficient querying methods
- Created a web-based visualisation solution for server systems
- Application is in internal use for over 500 users

Comarch SA, Dresden, Germany

Part-time Software Development Intern April 2007 to July 2007

- Development of a synchronisation plugin for MS Outlook in a team of 5 students
- Responsible for the setup of the specifications with the customer, team communication and Outlook interface programming

Languages

German:	Native Language
English:	Fluent
French:	Basic
Italian:	Basic
Latin:	Reading

Publications

[1] *Checking Query Completeness over Incomplete Data*, Simon Razniewski and Werner Nutt, KRDB Research Centre Technical Report KRDB11-2, Faculty of Computer Science, Free University of Bozen-Bolzano, Italy, March 2011

[2] *Checking Query Completeness over Incomplete Data*, Simon Razniewski and Werner Nutt, Short Paper, Workshop on Logic in Databases (LID), Uppsala, Sweden, 2011

[3] *Completeness of Queries over Incomplete Databases*, Simon Razniewski and Werner Nutt, Int. Conference on Very Large Databases (VLDB), Seattle, USA, 2011

[4] *Incomplete Databases: Missing Records and Missing Values*, Werner Nutt and Simon Razniewski and Gil Vegliach, Workshop on Data Quality in Data Integration Systems (DQDI), Busan, South Korea, 2012