Reinhard Richard Munz

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EDUCATION

Max Planck Institute for Software Systems (MPI-SWS), Germany Doctoral student, Computer Science	Jul'11– present
Enrolled at Technische Universität Kaiserslautern, Germany	Oct'14– present
Carnegie Mellon University (CMU), USA Master of Science in Information Technology with Specialization in Very Large Information Systems—GPA: 3.87/4.33	Sep'09–Dec'10
Julius-Maximilians-Universität Würzburg, <i>Germany</i> Vordiplom (German Intermediate Diploma), Computer Science— <i>Grade: 1</i> (1=excellent, 2=very good, 3=good, 4=pass, 5=fail)	Oct'06–Sep'14 Apr'08
RESEARCH EXPERIENCE	
Query-based Bookkeeping, Security & Privacy @ MPI-SWS, 1 student & 1 postdoc Developing methods to improve yield on limited query budgets without reducing result accuracy. Designing and implementing budget tracking solely based on queries, which allows to provide tracking state to analysts without the danger of leaking sensitive information.	May'16– present Paul Francis Deepak Garg Matteo Maffei
Private Data Analytics, Security & Privacy @ MPI-SWS, 1 student Investigating practical alternatives to "Differential Privacy" in private data analytics systems. Working towards support of unbounded numbers of queries with bounded result noise contrary to previous approaches using the concepts of query budgets and indefinitely raised noise.	Jun'14– present Paul Francis
Triage, <i>Distributed, dependable, and mobile systems @ MPI-SWS, 1 student</i> Improved user satisfaction through more accurate backend response time prediction. Selective execution of requests with good prognosis raises system goodput.— <i>Poster at SOSP'13</i>	May'13–May'14 Allen Clement Björn Brandenburg
Multi-KV, Distributed, dependable, and mobile systems @ MPI-SWS, 3 students Built mechanisms for consistency in geo-replicated storage systems.— <i>Poster at EuroSys'13</i>	Nov'12–Aug'13 Allen Clement
Work stealing at scale, <i>Programming languages and systems @ MPI-SWS</i> , 2 students Enhanced single-machine work stealing schedulers to scale to clusters of machines.	Jan'12–Oct'12 Umut Acar
PCM-KV: A Key-Value Store on Phase Change Memory, <i>CMU, 2 students</i> Devised OS mechanisms to handle shortcomings of non-volatile main memory alternatives. Implemented and evaluated wear-leveling memory allocator.— <i>Technical report</i>	Sep'10–Dec'10 David Andersen Michael Kaminsky
PUBLICATIONS	
Persistent, Protected, and Cached: Building Blocks for Main Memory Data Stores I. Moraru, D. Andersen, M. Kaminsky, N. Binkert, N. Tolia, R. Munz, and P. Ranganathan <i>Technical Report CMU-PDL-11-114v2, Carnegie Mellon University Parallel Data Lab</i>	Nov'12
SKILLS	
Programming Languages: Java, C#, C++, Python Spoken Languages: German (mother tongue), English (fluent, CEFR C2)	
HONORS & AWARDS	
ACM SOSP Student Scholarship USENIX OSDI Student Grant Max Weber-Programm, Fellowship for gifted students	Nov'13 Oct'12 Oct'08–Mar'12
EXTRA-CURRICULAR ACTIVITIES	
"Snack Shop", <i>MPI-SWS</i> Personal initiative to improve work environment by selling beers and snacks.	Apr'13 -present
"Allowio" Kolping Zeltlager Amorbach, Germany	2002–present

Summer camp instructor for ${\sim}75$ children.