

# Alexander van Renen

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## WORK EXPERIENCE

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| 10/2015 - present | <b>PhD Candidate</b><br>at: Technical University of Munich<br>in: Munich, Germany<br>As a member of Prof. Kempers' and Prof. Neumanns' group, my field of research are database systems. I am focussing on the architectural implications of modern hardware (currently: SCM) on todays database systems. Additionally, I am interested in distributed database engines and concurrent data structures. |
| 7/2017 - 10/2017  | <b>Research Intern</b><br>at: Microsoft Research<br>in: Redmond, WA, USA<br>My first internship with Microsoft. I worked on techniques for verifying transaction processing in database system.   |
| 5/2014 - 10/2014  | <b>Research Assistant</b><br>at: Oracle Labs<br>in: Redwood City, CA, USA<br>On my second internship at Oracle, I worked on RAPID. My work was focused on highly parallel algorithms for large-scale distributed data analysis.   |
| 9/2013 - 12/2013  | <b>Research Assistant</b><br>at: Oracle Labs<br>in: Redwood City, CA, USA<br>During my first internship at Oracle, I worked on the KEYBRIDGE project. My work included the design and implementation of a logging solution for a high throughput scenario.  |
| 4/2011 - 4/2013   | <b>Research Assistant</b><br>at: Technical University of Munich<br>in: Munich, Germany<br>Two years of database research next to my studies. I worked with HYPER and gathered experience on efficient algorithms and datastructures.  |

## EDUCATION

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- 10/2012 - 10/2015 | **Master of Science with Honours**  
in: Software Engineering  
at: University of Augsburg & Technical University of Munich  
& Ludwig Maximilian University of Munich  
thesis: Specification-based and Concolic Testing for Games
- 10/2009 - 10/2013 | **Bachelor of Science**  
in: Computer Science  
at: Technical University of Munich  
thesis: Distributed Join Processing on Modern Hardware

## TEACHING

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- 4/2016 - 9/2016 | **Teaching Assistant**  
for: Introduction to Computer Science II for Engineers  
at: Technical University Munich  
I manage a lecture teaching Java, UML and database systems for about 150 students.
- 4/2011 - 8/2011 | **Tutor**  
for: Database Systems  
at: Technical University Munich  
I held a tutorial on database systems every week throughout the term. There were about 15 regular participants.

## LANGUAGES

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GERMAN: Native Tongue  
ENGLISH: Fluent