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Contact Information

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Git

github.com/bastihaase

Programming

C/C++
Java
HTML/CSS
Singular
Maple
Matlab

Languages

German ★★★★★
English ★★★★★
French ★★★★★
Dutch ★★★★★

BastianHaase

PhD Student in Mathematics

Education

- 2013 - **Doctoral Student in Mathematics** [Emory University, USA](#)
I am working under the supervision of Prof. Raman Parimala.
My interests lay in the study of Central Simple Algebras, Algebraic Geometry and Quadratic Forms.
- 2010 - 2013 **Bachelor's Degree in Mathematics** [RWTH Aachen, Germany](#)
I obtained a bachelor's degree in mathematics with a minor in computer science. I graduated with honors and a perfect gpa. My advanced coursework focused on algebra and analysis.
Title of the Thesis: "Multi-Letterplace Ring, Multi-Gradings and Applications".
Supervised by: Dr. Viktor Levandovskyy, Prof. Dr. Eva Zerz

Teaching

- Spring 2016 **Instructor, Calculus 2** [Emory University](#)
I taught the class and created homework and exams for a class of 29 students. The class covered integration techniques, series and sequences.
- Fall 2015 **Instructor, Calculus 1L** [Emory University](#)
I taught the class and created homework and exams for a class of 28 students. The class covered the basics of Calculus and used WebAssign for homework.
- Spring 2015 **Instructor, Calculus 2** [Emory University](#)
I taught the class and created homework and exams for a class of 25 students. The class covered integration techniques, series and sequences.
- Fall 2014 **Instructor, Calculus 1** [Emory University](#)
I taught the class and created homework and exams for a class of 30 students. The class covered the basics of Calculus.
- Spring 2013 **Teaching Assistant, Introduction to Maple** [RWTH Aachen](#)
The students had two weekly computer lab sessions. They had to solve mathematical problems and visualize mathematical concepts by use of Maple. I assisted the students in working through the work sheets.
- Fall 2012 **Teaching Assistant, Analysis for Computer Scientists** [RWTH Aachen](#)
I led a lab session and graded homework for roughly 40 students. The class covered basics of Analysis for Computer Science Majors.
- Spring 2012 **Teaching Assistant, Analysis 2** [RWTH Aachen](#)
I led a lab session and graded homework for roughly 40 students. The class was a continuation of Analysis 1 for Mathematics Majors.
- Fall 2012 **Teaching Assistant, Analysis 1** [RWTH Aachen](#)
I led a lab session and graded homework for roughly 40 students. The class covered basics of Analysis for Mathematics Majors.

Certificates

2011 **Seminar in Teaching Mathematics** [RWTH Aachen](#)
I participated in a seminar that helped us develop and shape our teaching skills. For my successful participation, I was awarded a certificate in teaching.

Fellowships and Awards

2010- **Fellowship** [Studienstiftung des dt. Volkes](#)
When I started my studies in 2010 I was awarded a scholarship by the Studienstiftung. It is a non-political and non-denominational organization sponsoring the best students in Germany. The fellowship supports me until I reach candidacy in my doctoral program at Emory University.

2011-2013 **Dean's List** [RWTH Aachen](#)
From 2011 till 2013 I was in the Dean's List at RWTH Aachen, thus I belonged to the top 5 percent of my university. Due to my membership, I had the opportunity to take part in very interesting seminars expanding my horizon beyond mathematics. One very interesting one was about time management and efficient organization.

Community Service

2009-2010 **Civil Service** [Red Cross](#)
In 2009/2010 I served my civilian service at the German Red Cross Youth.

2011-2013 **Children Instructor** [Red Cross](#)
In 2010 I volunteered to accompany a holiday trip with 24 children of age 7-14. We spent two weeks in Netherlands. During the vacation, we also introduced the kids to a healthy, balanced diet. We prepared the food with the children so that they understand the whole process.

October 7th, 2015

Bastian Haase