

CV of

# Jeffrey Serbus

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Citizenship: German

## Languages

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**English** (*Native Language*), **German** (*Level C1*), **Spanish** (*Level A2*)

## Education

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- 2010      **MSc in Mathematics**, *Set Theory and Logic*, *Grade: 1.7 (Scale 1-5)*  
*Rheinische Friedrich-Wilhelms-Universität Bonn, Bonn, Germany*  
**Thesis Title:** Generic Reals and Proper Forcing  
**Advisor:** Prof. Dr. Peter Koepke
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- 2004      **BSE in Mathematics Education**, *GPA 3.35 (out of 4.0)*  
*University of Kansas, Lawrence, KS, USA*

## Academic Work History

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- 2013-  
Current      **Gymnasiallehrer (Middle/Secondary School Teacher)**  
*Phorms Bavaria gGmbH, Munich, Germany*
- Teaching mathematics in grades 5-12.
  - Integrating IB and Bavarian Abitur standards into a single curriculum.
  - Language of instruction is both English and German.
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- 2011-2013      **Wissenschaftlicher Mitarbeiter (Research Fellow)**  
*Albert-Ludwigs-Universität Freiburg, Freiburg, Germany*
- Provided a tutorial to an advanced logic seminar.
  - Organized exercise courses for the following lectures:  
Mathematical Logic, Cardinal Arithmetic, Independence Proofs.
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- 2010-2011      **Middle School Mathematics Teacher**  
*Bonn International School, Bonn, Germany*
- Taught grades 6-9 mathematics in the International Baccalaureate (IB) Middle Years Programme (MYP) curriculum.
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- 2009      **Assistant Teacher**  
*Bonn International School, Bonn, Germany*
- Assisted a full time teacher in a seventh grade mathematics classroom.
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- 2004-2008      **Graduate Teaching Assistant**  
*University of Kansas, Lawrence, KS, USA*
- Taught the following courses: Mathematics for Elementary School Teachers, Intermediate Algebra, College Algebra, Pre-Calculus, Business Calculus, Engineering Calculus.
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- 2001-2004      **Undergraduate Teaching Assistant**  
*University of Kansas, Lawrence, KS, USA*
- Taught two courses of College Algebra per semester.

## Professional Training

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- Feb 2016     **LehrplanPLUS Mathematik (Bavarian Abitur Training)**  
*Regionale Lehrerfortbildung Oberbayern - Ost, Munich, Germany*
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- Oct 2015     **Phormative Bildungskonferenz**  
*Berlin, Germany*
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- Jan 2015     **Dyskalkulie - Ursachen, Merkmale und Hilfen**  
*Legasthenie- und Dyskalkuliezentrum, Institut für Lerntherapie, Munich, Germany*
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- Dec 2014     **Schüleraktivierende Unterrichtsmethoden im Fach Mathematik**  
*Ministerialbeauftragter für die Gymnasien in Oberbayern - Ost, Kirchseeon, Germany*
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- Nov 2013     **InThinking Mathematics SL Workshop (IB Training)**  
*InThinking, Barcelona, Spain*

## Conferences Attended and Talks Given

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- Jan 2013     **Winter School in Abstract Analysis:  
Section Set Theory and Topology**  
*Hejnice, Czech Republic*  
**Talk Given:** *Cardinal Invariants and the  $P$ -ideal Dichotomy*
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- Dec 2012     **Oberseminar Mathematische Logik**  
*Albert-Ludwigs-Universität Freiburg, Freiburg, Germany*  
**Talk Given:** *Cardinal Invariants and the  $P$ -ideal Dichotomy*
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- Sept 2012     **Set Theory & Topology Seminar**  
*University of Kansas, Lawrence, KS, USA*  
**Talk Given:** *Configurations of Cardinal Invariants Consistent with the  $P$ -ideal Dichotomy*
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- July 2012     **Logic Colloquium 2012 of the Association for Symbolic Logic**  
*Manchester, United Kingdom*
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- July 2012     **Trends in Set Theory**  
*Warsaw, Poland*
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- April 2012     **5th Young Set Theory Workshop**  
*CIRM: Luminy, France*
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- Jan 2012     **Winter School in Abstract Analysis:  
Section Set Theory and Topology**  
*Hejnice, Czech Republic*

## Awards Received

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2013	Awarded half support to attend the Winterschool in Abstract Analysis from the conference organizers.
2012	Awarded full support from the Association for Symbolic Logic to attend the ASL Logic Colloquium.
2012	Awarded conference fees and accomodation to attend Trends in Set Theory from the conference organizers.
2012	Awarded a travel grant from the Association for Symbolic Logic to attend the 5th Young Set Theory Workshop.
2008	Awarded a stipend for the first semester of study as a Masters Student at the University of Bonn.
2006	Awarded the Graduate Direct Exchange Scholarship to study at the University of Bonn, Germany for the 2006-07 academic year.
2003	Awarded the Push America Summer Fellowship for work at Camp Sunnyside.

## Other Work History / Activities

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Summers 2003, 2011	<p><b>Camp Counselor</b> <i>Easter Seals Camp Sunnyside, Des Moines, IA, USA</i></p> <ul style="list-style-type: none"> <li>• Worked as a summer camp counselor for people with disabilities.</li> <li>• Duties included recreation and personal care of campers aged 5 - 80+.</li> </ul>
Summer 2010	<p><b>Journey of Hope 2010 Cyclist</b> <i>Push America</i></p> <ul style="list-style-type: none"> <li>• Raised almost \$6,000 for Push America to help people with disabilities.</li> <li>• Cycled almost 4,000 miles from San Francisco, CA to Washington D.C.</li> </ul>
2009-2011	<p><b>Substitute Teacher</b> <i>Bonn International School, Bonn, Germany</i></p> <ul style="list-style-type: none"> <li>• Substitute taught for early learning (age 5) to high school seniors (age 18).</li> <li>• Substitute taught for all subjects (sciences, mathematics, languages, humanities, technology, art, music, and more).</li> </ul>
2002-2004	<p><b>Substitute Teacher</b> <i>Unified School District 497, Lawrence, KS, USA</i></p> <ul style="list-style-type: none"> <li>• Substitute taught for classes from kindergarten through high school.</li> <li>• Substitute taught mostly high school mathematics, but also for sciences, humanities, technology, music, and more.</li> </ul>
Summer 2002	<p><b>Journey of Hope 2002 Crew Member</b> <i>Push America</i></p> <ul style="list-style-type: none"> <li>• Raised over \$2,000 for Push America to help people with disabilities.</li> <li>• Was responsible of the safety of 30 cyclists as they cycled across the USA.</li> </ul>