

# Philipp Reichenbach

## *Curriculum Vitae*



### Personal Data

Date of birth April 11, 1994  
Place of birth Berlin, Germany  
Citizenship German

### Education

06/2012 **Abitur**, *Käthe Kollwitz Oberschule Berlin*.  
Grade: 1.0 "very good"

10/2012 – 03/2016 **Bachelor Studies in Mathematics**, *Technische Universität Berlin*, Main Area: Algebra, secondary subject: Philosophy.

01/2016 **Bachelor of Science**, *Technische Universität Berlin*.  
Grade: 1.1 "very good"

04/2016 – 09/2018 **Master Studies in Mathematics**, *Universität Bonn*, Main Area: Algebraic Geometry, secondary subject: Computer Science.

08/2018 **Master of Science**, *Universität Bonn*.  
Grade: 1.1 "excellent"

since 09/2018 **PhD student**, *Technische Universität Berlin and Berlin Mathematical School*,  
Main Research Area: Computational Invariant Theory.

### Theses

12/2011 **Project thesis**, *Visualisierungen ausgewählter komplexer Funktionen mit Hilfe eines PCs*, Advisor: Dr. Sabiene Zänker.

01/2016 **Bachelor thesis**, *Stabilisator der Determinante und maximal lineare Teilräume*, Advisor: Prof. Dr. Peter Bürgisser, Second Advisor: Prof. Dr. Jörg Liesen.  
Grade: 1.0 "very good"

08/2018 **Master thesis**, *Vector bundles on elliptic curves and an associated Tannakian category*, Advisor: Dr. Johannes Anschütz, Second Advisor: Prof. Dr. Peter Scholze.  
Grade: 1.0 "very good"

---

## Employments

04/2014 – 03/2016  
since 09/2018 **Tutor for Mathematics**, *Technische Universität Berlin*, Institut für Mathematik.  
**Scientific Assistant**, *Technische Universität Berlin*, Institut für Mathematik, Research group Algorithmische Algebra, financed by the ERC Advanced Grant “COCAN: Complexity and Condition in Algebra and Numerics”.

---

## Honors and Awards

### Academic

- 04/2012 **Abiturprize of the DMV**, *Käthe Kollwitz Oberschule Berlin*, awarded by the DMV, free membership for one year.  
on proposal of the school direction for excellent grades in the advanced course of mathematics
- 05/2012 **1st Prize in Mathematics of the Dr. Hans Riegel Fachpreis**, *Freie Universität Berlin*, awarded by Dr. Hans Riegel Stiftung in cooperation with the Freie Universität Berlin, prize money: 600 €. award for my project thesis
- 11/2016 **2nd Prize for “Best Bachelor Degree/Thesis”**, *Technische Universität Berlin*, Dies Mathematicus, prize: one year membership in the AMS.
- 11/2016 **3rd Prize for “Best Presentation”**, *Technische Universität Berlin*, Dies Mathematicus.
- 10/2018 **Admission as Phase II Student at BMS**, *Berlin Mathematical School*, joint graduate school of the 3 Berlin universities.

### Others

- 11/2012 **Welcome for volunteers in sports**, *Rotes Rathaus Berlin*, invited by the governing mayor of Berlin.  
due to the victory of *ttc berlin eastside* in the Women Table Tennis Champions League 2012

---

## Teaching Experience

- Summer 2014 **Tutor for “Linear Algebra II for Mathematicians”**, *Technische Universität Berlin*, under supervision of Prof. Mehrmann.
- Winter 2014/15 **Tutor for “Linear Algebra I for Mathematicians”**, *Technische Universität Berlin*, under supervision of Prof. Mehl.
- 04/2015 – 03/2016 **Student member of the election committee for tutors**, *Technische Universität Berlin*, on proposal of Prof. Mehl.
- Summer 2015 **TU tutor plus**, *Technische Universität Berlin*, advanced training for tutors in mathematics.  
2 days intense course, peer hospitations, follow up seminar
- Summer 2015 **Tutor for “Linear Algebra I for Mathematicians”**, *Technische Universität Berlin*, under supervision of Prof. Liesen.
- Winter 2015/16 **Tutor for “Linear Algebra I for Mathematicians”**, *Technische Universität Berlin*, under supervision of Prof. Felsner.

---

## Voluntary Service

2009 – 2014	different voluntary services in the table tennis club <i>ttc berlin eastside e.V.</i> ; e.g. coaching younger teammates, organizational help for matches of the 1st women team
01/2011 – 03/2016	Cashier/responsible for the cashpoint in Champions-League matches of <i>ttc berlin eastside e.V.</i> (winner in 2012, 2014 and 2016)
Summer 2017	Mentor in the student dormitory <i>Hermann-Wandersleb-Ring 6</i>

---

## Mathematical Societies

in 2013	Free Membership in the Deutsche Mathematiker Vereinigung (DMV)
since 2014	Member of the DMV
in 2017	Member of the American Mathematical Society (AMS)
since 10/2018	Phase II student of the Berlin Mathematical School

---

## Languages

German	mother tongue
English	fluent

---

## Miscellaneous

12/2005 – 12/2016	Member of the table tennis club <i>ttc berlin eastside e.V.</i> (earlier name: <i>3B Berlin e.V.</i> )
04/2016 – 07/2018	Member and co-leader of the <i>Alumni Region Group Bonn</i> of the Dr. Hans Riegel Stiftung