

Lauritz Streck

Born on Jan. 8th 1996 in Berlin ; LS909@cam.ac.uk.

Education

University of Cambridge

PhD in Mathematics

Advisor Péter Varjú, Topic: Entropy Rates in Fractal Geometry.

Cambridge, UK

2020-2024 (*prospective*)

Hebrew University

MSc Mathematics: 96.17¹

Master's thesis: Non-concentration of primes along horocycle orbits in $\Gamma \backslash PSL_2(\mathbb{R})$. Advisor Tamar Ziegler, 97/100¹
Analysis of sparse sequences along the horocycle flow in $\Gamma \backslash PSL_2(\mathbb{R})$, where Γ is some lattice in $PSL_2(\mathbb{R})$, utilizing effective equidistribution results, and derivation of non-concentration results for primes from this. The thesis generalises a result by Sarnak and Ubis, who proved the result for $\Gamma = PSL_2(\mathbb{Z})$.

Jerusalem, Israel

2018-2020

Rheinische Friedrich-Wilhelms-Universität

BSc Mathematics, 1.1² with distinction

Bachelor's Thesis: On the Delta Calculus. Advisor Christoph Thiele, 1.0²

Developing and proving rules for the Delta calculus, which allows to integrate over implicitly defined differentiable manifolds. New proofs for coarea formula, area formula and the general Stoke's theorem using these rules.

Bonn, Germany

2014-2017

Achievements

Student Scholarships

German Academic Scholarship Foundation (Studienstiftung)

2018-2020

Awarded to less than 0.5% of German students for showing outstanding academic and personal promise.

Germany Scholarship (Deutschlandstipendium)

2017

Awarded based on academic success and leadership potential.

European Bridge Champion U26

European U26 Pairs Championship

Opatija, Croatia

2018

Teaching Experience

University of Cambridge

Supervisor

Lecture: Probability and Measure.

Cambridge, UK

Michaelmas Term 2021

Rheinische Friedrich-Wilhelms-Universität

Teaching Assistant

Lecture: Stochastic processes (3-4 teaching assistants in total).

Bonn, Germany

Summer Semesters 2017, 2018

Rheinische Friedrich-Wilhelms-Universität

Bridge Instructor

Teaching students the card game Bridge in a university sport course based on a self-written script; bringing six students to the point of participating in international competition.

Bonn, Germany

2015-2018

Arts

Theater

J-Town Playhouse, Jerusalem

Role of main villain, SS officer Rokita in "Irena's Vow". Audience totaling 600 people over 7 performances.

2019

¹Grades ranging from 100 (best) to 50

²Grades ranging from 1.0 (best) to 4.0.

Student Group "Mechthilds Schergen", Bonn

2018

Main role Andri in "Andorra", performed by a self organizing student group. Audience of over 400 at the sole performance.

Other Extracurricular Activities

Bridge

German National Junior Team

2013-2022

1st place (European U26 Pairs Championship, 2018), 3rd place (European U26 Teams Championship, 2019), 3rd place (European U21 Pairs Championship, 2016), 4th place (World U21 Teams Championship, 2016); German U26 Pairs Champion 2017 and 2018.

Youth Editor

German Bridge Magazine

2015-2020

Jointly in charge of the youth section of the magazine (20.000 monthly copies). Author of more than 20 articles.

Organization of Street Talks

Bonn, Germany

Student Initiative "Active for Democracy"

2017

In charge of organizing street stalls in pedestrian zones, in which passersby and students get engaged in debate on political issues by means of thought provoking statements.

Languages

German

Native

English

Very good. 114/120 points, TOEFL test (January 2020)

Hebrew

Fluent. Level 5/6, Ulpan La-Inyan placement test (October 2019; Jerusalem, Israel)

French

Basic. Level A2+, Eurocentres placement test (September 2018; Amboise, France)