

Eric Albers

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- EDUCATION**
- University of Illinois at Chicago**, Chicago, Illinois, USA
▪ Ph.D. Mathematics Aug 2019 – Present
 - Temple University**, Philadelphia, Pennsylvania, USA
▪ B.S. Mathematics Aug 2015 – May 2019
 - GPA 3.89 / 4.0
- PAPERS/PREPRINTS**
- On the Genera of Congruence Surfaces from Maximal Orders**, with N. Miller
▪ Submitted, available [here](#).
- RESEARCH EXPERIENCE**
- Research Experience for Undergraduates**, Indiana University - Bloomington
▪ Undergraduate Research Student Jun 2018 – Aug 2018
 - Project: Searching for Congruence Surfaces
 - Advisors: Dr. Nicholas Miller
 - In this project we studied the possible genus for congruence surfaces constructed from maximal orders in an attempt to answer whether or not they exist in every genus.
 - Guided Research Course**, Temple University Aug 2018 – May 2019
 - Project: Investigating Rigidity of Fuchsian Group Representations
 - Advisors: Dr. Matthew Stover
 - In this project, we analyzed deformations of representations of Arithmetic Fuchsian groups in $SL_4(\mathbb{Z})$. In particular we asked which deformations do not arise from an inner automorphism of the original representation and which do not arise from an embedding of a representation in $SL_2(\mathbb{Z})$. Then we analyzed the geometry of such deformations.
- TALKS GIVEN**
- UIC Graduate Geometry, Topology, and Dynamics Seminar** Aug 2019 - Pres.
Many talks on various topics such as Teichmüller Theory, Random Walks on Linear Groups, Superrigidity etc.
 - Indiana Undergraduate Mathematics Research Conference** Jul 2018
Indiana University - Bloomington, Bloomington, Indiana, USA,
Constructing Congruence Surfaces
 - Mathematical Association of America - EPaDel - Spring 2018 Meeting** May 2018
Temple University, Philadelphia, Pennsylvania, USA,
Integers Which can be Written as the Sum of Two Squares
- SEMINARS ORGANIZED WORK EXPERIENCE**
- UIC Graduate Graduate Student Colloquium** Jan 2021 - May 2021
 - University of Illinois at Chicago**
 - Teaching Assistant Aug 2019 – Present
 - Run active learning focused discussion sections to reinforce topics learned in lecture
 - Hold office hours in an facility dedicated to tutoring mathematics in any and all courses.
 - Assist in the grading of homework assignments as well as in the grading and proctoring of exams.
 - Courses Taught: Calculus III, Complex Analysis
 - Milwaukee Brewers Baseball Club**
 - Intern - Baseball Research & Development May 2021 – Aug 2021
 - Temple University Mathematics Department**
 - Tutor Aug 2016 – Present
 - Hold office hours for students who wish to reinforce topics learned in lecture.
 - Tutor a range of classes from Algebra I - Honors Calculus with a stronger emphasis on Honors Calculus II and III.
 - Also provided assistance in basic proof writing courses, Ordinary Differential Equations, and Elementary Number Theory.
 - Temple University - College of Science and Technology**
 - Mathematics Department Student Ambassador Aug 2017 – Present
 - Schedule and administer individual guided tours for prospective Mathematics students.
 - Attend open houses for prospective College of Science and Technology students to speak on behalf of the Mathematics department.

Temple University Mathematics Department

- Classroom Assistant Aug 2016 – Aug 2017
 - Attend class biweekly to keep up with what students are learning.
 - Assist in proctoring exams with the Professor and enter grades into online gradebook.
 - Hold 2-3 office hours per week for students to ask questions about topics learned in lecture.

Temple University Academy for Adult Learning

- Individual Student Tutor Aug 2016 – Dec 2016
 - Attend class with a student with disabilities to help facilitate their note-taking and general comprehension of course content.
 - Hold sessions outside of class to review material and take tests under no time pressure.
 - Attend bi-weekly meetings to communicate to supervisors how the student was doing in class.

AWARDS & SCHOLARSHIPS

- The Orin N. Chein Most Promising Mathematics Major Award, May 2018
- Phi Beta Kappa, Member, Inducted Spring 2018 May 2018 – Present
- Delta Phi Alpha, Member, Inducted Spring 2018 May 2018 – Present
- Francis James and Helen C. Sholomskas Progress to Excellence Scholarship, Aug 2017 – May 2019
- Temple Honors College, Aug 2015 – May 2019
- Temple University Provost’s Scholarship, Aug 2015 – May 2018
- Ames True Temper Charitable Fund Scholarship, Aug 2015 – May 2019

OTHER EXPERIENCE

- Diamond-Digest.com**
- Writer, Articles [here](#). Dec 2018 – Present
- Temple University Math Club**
- Secretary Aug 2017 – May 2018
- Vice President Aug 2018 – May 2019

LANGUAGES

- English: Native language.
- German: Intermediate (Speaking, Reading, Writing)

PROGRAMMING LANGUAGES

LaTeX, Mathematica, Sage, C, Java, Python, SQL