

Andrew Lin

University of Kansas
Lawrence, KS, United States, 66045

LinkedIn
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Education

University of Kansas, Sophomore
Mathematics, BSc

August 2022 – Present
Lawrence, Kansas

Mathematical Interests

The following are topics that I am *interested* in and would like to explore in-depth.

- Category theory
- Differential topology
- Dynamical systems
- Homological algebra

I am looking for challenging and rigorous research experiences to assist me in achieving my goal of pursuing mathematical research and professorship.

Mathematical Background

For more information on courses taken at The University of Kansas, please see the KU Department of Mathematics "Course Descriptions" website. (Click here if viewing digitally.)

Spring 2023

January 2023 – May 2023

University of Kansas

Lawrence, KS

- MATH 728 – Statistical Theory
- MATH 766 – Mathematical Analysis II
- MATH 791 – Modern Algebra

Fall 2022

August 2022 – December 2022

University of Kansas

Lawrence, KS

- MATH 650 – Nonlinear Dynamical Systems
- MATH 727 – Probability Theory
- MATH 765 – Mathematical Analysis I
- MATH 790 – Linear Algebra II

Self-Study

May 2021 – Present

e.g., books

- Tao, T. C. (2022). *Analysis II* (4th ed.). (Currently reading.)
- Tao, T. C. (2022). *Analysis I* (4th ed.).
- Hoffman, K. M. & Kunze, R. A. (1971). *Linear Algebra* (2nd ed.).
- Rosen, K. H. (1995). *Discrete Mathematics and its Applications* (3rd ed.).

High School

August 2018 – May 2022

Blue Valley Northwest

Overland Park, KS

- Calculus I, II, III
- AP Statistics (\cong MATH 365 – Elementary Statistics at KU)

Work/Volunteer Experience

Librarian

August 2022 – Present

University of Kansas

Volunteer

July 2022 – Present

T_EXromancers

We "revive" (hence the pun on necromancers) outdated texts in mathematics and reproduce it in more modern typesetting, including a version using a dyslexia-friendly font. I have contributed to the following texts:

- **Hicks, N. J. (1964).** *Notes on Differential Geometry*. Completed July 2022, click here if viewing digitally.
- **Lagarias, J. C. & Odlyzko, A. M. (1977).** Effective versions of the Chebotarev density theorem. *Algebraic Number Fields*, 409–467. Completed Nov 2022.

Lead Counselor

July 2022 – August 2022

Johnson County Parks & Recreation District

- Managed counselors to perform tasks assigned by supervisors
- Provided a fun and safe environment for K-5 children
- Communicated conflicts within counselors to supervisors

Team Lead, Volunteer

2020 – 2022

Overland Park Arboretum & Botanical Gardens

- Plant new plants for each season
- Lead teams of student volunteers for events

For a full list of my work experience, please see my LinkedIn.

Specialized Skills

Manuscript Preparation: L^AT_EX (intermediate)

Interests

Mathematics: Proud owner of a copy of *The Princeton Companion to Mathematics*. I read math textbooks for fun and love my math courses. Keeping my eye open for possible research interests. Would like to one day be in math academia.

Gardening: Help mom with garden at home. Volunteer at a local arboretum (see Other Experience). Watch over houseplants in dorm room.