

# Leo Chang

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## EDUCATION

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**Northwestern University**  
Bachelor of Arts in **Mathematics** | GPA: 3.79/4.00

Evanston, IL  
Expected June 2025

**Hume-Fogg Academic Magnet High School**  
GPA: 4.00/4.00

Nashville, TN  
May 2021

## TEACHING ASSISTANTSHIPS

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**MATH 218-2: Single-Variable Calculus with Precalculus**

Winter 2023

**MATH 220-1: Single-Variable Differential Calculus**

Fall 2022

- Taught weekly discussion sections for small sections of 20-30 students and held weekly office hours
- Wrote challenging and informative problems, graded homework, and proctored exams

## OTHER EXPERIENCE

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**NU Two-Generation Research Initiative — Research Assistant**  
Institute for Policy Research

January 2022 — June 2022

- Organized and cleaned administrative and survey data on 1000+ participants using Stata and Excel
- Programmed an automated helper in Python to increase productivity and decrease manual error rate
- Coded Qualtrics surveys using logic techniques to streamline user experience and data acquisition

**Student Organization Finance Office — Financial Assistant**  
Norris University Center

September 2021 — April 2022

- Served student groups as informational resource for 500+ clubs and organizations
- Provided preliminary screening of transaction requests and record-keeping documentation
- Executed document filing, check processing, and data entry for efficient organization

**Design Thinking and Communication — Project Member**  
McCormick School of Engineering

September 2021 — December 2021

- Designed and built hair tie with 3 teammates for client with quadriplegia and limited grip strength
- Edited 50-page final report as main reviser of written deliverable products
- Received Award for Best Design at Fall 2021 Design Expo from Segal Design Institute

## ACTIVITIES

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**Northwestern Undergraduate Math Society — President**

September 2021 — Present

- Organized weekly seminar series and served as department liaison for external colloquia and events

**Directed Reading Program — Mentee**

March 2022 — Present

- Read Smullyan's *Gödel's Incompleteness Theorems* with a graduate student in Winter 2023
- Presented "A simplified proof of Brouwer's fixed point theorem" in Spring 2022

## HONORS AND AWARDS

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Dean's List (4/5 quarters), Excellence in Mathematics by a First-Year Student, National Merit Scholar, QuestBridge National College Match Finalist, Maureen O'Donnell Award for the National Latin Exam

## SKILLS

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**Computer:** Proficient in LaTeX, Python, Microsoft Excel

**Languages:** English, Chinese, Latin