

**Leon Luo**  
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## **EDUCATION**

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### **The University of Chicago**

*Intended Majors in Economics, Mathematics, and Computer Science*

Chicago, IL

Expected, June 2027

### **Wayzata High School**

*Diploma*

Plymouth, MN

June 2023

GPA: 13.511/12.000

### **Honors**

“Top Ten” Roll (2023), National Merit Scholar (2023), U.S. Presidential Scholar Finalist (2023), Senior Award (2023)

## **RESEARCH EXPERIENCES**

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### **Tippie Analytics Cooperative, University of Iowa**

*Researcher*

Iowa City, IA

June 2022-Present

- Led Natural Language Processing (NLP) project investigating public reaction to COVID-19 masking mandates
- Lead author, “Why Wear a Mask? Characterizing Social Media User Reasons with Machine Learning Natural Language Processing” with Professor Patrick Fan
- AP Research perfect score (356/30,000 worldwide)

### **Independent Research**

*Researcher*

Plymouth, MN

2021-2022

- Solo author, “Does ESG investing affect international capital flows? Evidence from statistical and machine learning methods”
- Presenter, Mathematics Association of America (MAA) MathFest conference, published in [Abstract Book](#) (Philadelphia, PA, August 2022)
- Society for Science Regeneron Science Talent Search Scholar Award (2023)

## **LEADERSHIP & ACTIVITIES**

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### **Wayzata High School Math Team; Minnesota All-State Math Team**

*Captain, Varsity team member*

Plymouth, MN

2019-2023

- Managed and organized team practices, team activities, recruitment, and tournaments (40+ members)
- State champions (2020, 2021, 2022, 2023)

### **Wayzata Math Modeling**

*Co-Lead*

Plymouth, MN

2022-2023

- Managed and organized team activities, researched and authored papers in hackathon-style math modeling contests
- COMAP MCM/ICM Honorable Mention (2022) (only U.S. High School of 27,000+ int'l HS and College teams)
- MathWorks M3 Challenge Honorable Mention (2022)

### **Wayzata Quiz Bowl**

*Captain, Varsity team member*

Plymouth, MN

2019-2023

- Managed and organized team practices, team activities, recruitment, and tournaments, including national championships (50+ members)
- State champions (2020, 2021, 2022, 2023)

### **American Legion Boys State**

*Secretary of State*

Collegeville, MN

June 2023

- Nominated for highly selective weeklong experience for promising student leaders
- Outstanding Boys Stater award

## **SKILLS**

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**Languages:** Mandarin (Fluent), Spanish (ACTFL Intermediate-High)

**Programming and Data Processing:** Python, Jupyter, Java, SAS, C++ (in descending order of fluency)

**Mathematics:** Calculus (incl. multivariate), Linear Algebra, Statistics

**Computer:** Fluent in Microsoft Office (and Google equivalents)