

# Lucas Chen

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## EDUCATION

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### Rice University

Houston, TX

*Bachelor of Science in Computer Science, Bachelor of Arts in Mathematics*

*Expected May 2025*

- GPA: 4.0/4.0, President's Honor Roll

### Relevant Completed Coursework:

Fundamentals of Computer Engineering, Computational Thinking,  
Probability and Statistics, Reasoning about Algorithm, Introduction to Program Design,  
Matrix Analysis for Data Science, Algorithmic Thinking,  
Honors Calculus, Honors Linear Algebra

### Ongoing Coursework:

Introduction to Computer Systems, Fundamentals of Parallel Programming,  
Complex Analysis, Intro to Math Cryptography

## TECHNICAL SKILLS

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**Languages:** Python, Java, C++, C#, Matlab, Javascript

## EXPERIENCE

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### Rice Datathon

2022

*Rice University's Annual Data Science Competition*

- Developed a Python program using NumPy and Pandas that would produce potential redistricting of the Houston area based on census data; awarded Best Houston/TX Trends and First Place in the respective Track

### HackRice 11

2021

*Rice University's Annual Hackathon*

- Created a Discord Bot that would generate convenient meeting places between two users based on location using Python and Google Maps API

### Mathematics Teaching Assistant

2022

*AwesomeMath Summer Program*

- Collaborated with an instructor to teach high-level competition mathematics virtually to high school students

### Summer Camp Instructor

2019 - 2021

*Gauss Academy for Mathematical Education*

- Taught computer science, math, animation, and game design courses; prepared and gave talks on game design and machine learning

## COMMUNITY & LEADERSHIP

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### Volunteer Instructor

2017 - 2021

*A-Sharp Learning Center*

- Taught math and computer science courses to elementary and middle school students, both in person (pre-covid) and online (post-covid)

## HONORS

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### Computing Olympiad

2019 - 2021

*USA Computing Olympiad Gold Division*

### Mathematical Olympiad

2019 - 2021

*USA Mathematical Olympiad (USAMO) three-time Qualifier, top 250; AIME Score 13, USAMO Score 21*

### Physics Olympiad

2018 - 2021

*USA Physics Olympiad (USAPhO) three-time Qualifier, top 400*