

Jiedong Duan

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Education

The University of Chicago, Chicago, IL

B.S. in Computer Science & Mathematics, Expected, June 2021.

GPA: 3.675

Relevant Completed Coursework:

MATH 20700: Honors Analysis in \mathbb{R}^n 1

CSMC 16100: Honors Introduction to Computer Science 1

Niles North High School, Skokie, IL

[August 2013 – May 2017]

GPA: 3.99/4.0 UW, 4.74/4.00 W, Graduated Summa Cum Laude

Experience and Activities

RISE (STEM Outreach Program) Mentor / [Niles North High School] [June 2017]

- Taught basic 3-D modeling using Tinkercad to small groups of local 5th to 8th grade students and monitored students' progress
- Created small project tutorials in Scratch and guided groups of students through them

Summer STEM Camp Teacher Assistant / [Niles North & Niles West High School]

[June 2015 – July 2015, June 2016]

- Led 3rd-8th graders through activities involving basic robotics, Scratch, and App Inventor
- Maintained an engaging atmosphere by giving individualized feedback for each student's project

Science Olympiad Team Captain / [Niles North High School]

[Sept 2015 – May 2017]

- Created and managed team website, coordinated weekly meetings, and recruited new members
- Increased team size from 7 to 20+ and led team to qualify for the state competition both years. Team achieved best regional meet results of the last 4 years in 2017.

Summer School Mathematics Tutor / [Niles North & Niles West High School]

[June-July 2014, 2015, 2016]

- Worked with students one-on-one and in groups on Prealgebra, Algebra I, and Algebra II concepts to solidify material learned in past years.
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Skills

- Experienced in Java & Python with knowledge in data structures and algorithms
 - Knowledge in HTML, CSS, JS, Haskell, C#, C++, Unity3D Engine
 - Data analysis and mathematical modelling: SciPy package, NetLogo
 - Multidisciplinary approach to problem solving
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Awards and Honors:

- 2x United States of America Mathematical Olympiad (USAMO) Qualifier – 2015, 2017
 - Intel ISEF Finalist (Category: Systems Software) - 2017
 - Moody's M3 Math Modelling Challenge Honorable Mention (Top ~90/1000+ teams) – 2016, 2017
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