

Alexander Mcneilly

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EDUCATION

Massachusetts Institute of Technology (MIT)

Class of 2026

Candidate for Bachelor of Science in Computer Science

Cambridge, MA

- Current Coursework: Multivariable Calculus, Mechanics, Intro to Computer Science
- Member of: MIT Entrepreneurship Club, Scholars of Finance, UI/UX @ MIT

LEADERSHIP EXPERIENCE

Junior Economic Club of Chicago

Chicago, IL

Board Member and Chief Marketing Officer

June 2021 - July 2022

- Oversaw organization's press, brand awareness, coherence, and outreach across the Chicagoland area
- Expanded to 140+ club members across 36 Chicagoland schools

Hack Ridge

Park Ridge, IL

Event Overseer and Head of Marketing

September 2020 - July 2022

- Oversaw organization and promotion of two 24-hour annual hackathons in the Chicagoland area, impacting over 400 students through workshops, tech talks, and coding contests
- Successfully migrated hackathon to virtual format for 2021, securing \$5,000+ in grants, prizes, and sponsorships

VR/AR Association, Student Committee

Virtual

Co-Director of XR Student Resource and the Curiosity Project

July 2020 – November 2020

- Oversaw the weekly production, editing and publishing of the XR Parent and Student Resource
- Edited contributions by students from Harvard, McMaster, and the Massachusetts Science and Engineering Fair
- Presented XR Parent and Student Resource at VR/AR Global Summit 2020

WORK EXPERIENCE

Mathnasium - The Math Learning Center

Park Ridge, IL

Mathematics Tutor

September 2019 - November 2019

- Assisted K-8 students with understanding core mathematical concepts, including arithmetic, algebra, geometry, trigonometry, and precalculus

Theodore Roosevelt Elementary School (District 64)

Park Ridge, IL

Summer Youth Leader

July 2019 - August 2019

- Taught students (ages 5-7) basic mathematical concepts using toys and collaborative games
- Provided technical assistance to teacher leaders

PROJECTS/AWARDS

GeoTrigAR: Augmented Reality Geometry Visualization App

March 2022

- Developed an Augmented Reality (AR) geometry visualization demo app using C#/Unity for IJAS Science Fair

MIT MathRoots 2021 Certificate

July 2021

- Participated in a two-week mathematical talent accelerator summer program hosted by MIT PRIMES for nationally selected high-potential high school students from underrepresented backgrounds or underserved communities

Puzzil Swatches AR

December 2020

- Developed an Augmented Reality (AR) graffiti demo in C#/Unity for a Computer Science Independent Study class

SkillsUSA Illinois Silver Medalist (Web Design/Development)

April 2019

- Won 2nd in the SkillsUSA Illinois 2019 Web Development competition

SKILLS/INTERESTS

Software: Microsoft Office Suite, Google Drive Suite, Git, Adobe Photoshop, Adobe XD, Adobe Illustrator, Figma

Programming: Familiarity with Python, Java, Dart/Flutter, PHP, C#, HTML, CSS, and JavaScript

Interests: Augmented Reality (AR), Graphic Design, Baseball, Basketball, Sci-Fi Novels, Music Production