

# Edward Shi

3766 Alexandria CT, Woodbury, MN 55129; [edwardshi2021@gmail.com](mailto:edwardshi2021@gmail.com)

personal website: <https://www.edwardshi.info/>

## EDUCATION

<b>East Ridge High School</b> , <i>Woodbury, MN</i>	09/2020-present
<b>Emory University, PreCollege Program on Medical Microbiology</b> , <i>Atlanta, GA</i>	07/2023
<b>University of Chicago, Biotechnology for the 21st Century</b> , <i>Chicago, IL</i>	07/2022
<b>Coding Bootcamp, University of Pennsylvania</b> , <i>Remote</i>	07/2021

## RESEARCH EXPERIENCE

**Student Researcher, Independent Project on Neuropsychiatric Diseases.** *Remote* 10/2022-09/2023

- Conducted comprehensive literature reviews on various causes of neuropsychiatric diseases.
- Investigated the misclassification of distinct disease types with different etiologies.
- Met regularly with Professor Winston Timp from Johns Hopkins University for guidance.
- Authored a research paper published in the Journal of Biosciences and Medicines.

## PUBLICATION

Shi, E. (2023) [Advancing Neuropsychiatric Care through Genetic and Molecular Insights](#). *Journal of Biosciences and Medicines*, 11, 191-199. doi: 10.4236/jbm.2023.1110018.

## LEADERSHIP & WORK EXPERIENCE

**Founder, Biology Club.** *Woodbury, MN* 10/2022-present

- Recruited over 20 student members who are interested in biology with varied proficiency levels.
- Utilized social media, posters, and word-of-mouth, to expand club membership.
- Organized engaging discussions and educational events on biology topics.
- Organize fundraising events for Biological Diversity and other nonprofit charities.

**Founder, Body Up Team.** *Atlanta, GA & Woodbury, MN* 05/2023-present

- Lead a team of 10 teenagers and 5 seniors to work out regularly based on customized plans.
- Provided tailored advice on body training, including weight loss and fitness goals.
- Create nutrition and healthy diet plans for members to follow so as to achieve their goals.
- Support 90% of the members to successfully achieve their fitness goals.

**Web Development Intern, Airstock.** *Woodbury, MN* 12/2022-present

- Illustrate a decentralized warehouse system for more efficient warehouse storage.
- Develop a system to store data and create shipping labels.
- Present the prototype app to vendors in the conference in Atlanta in July 2023.
- Assist with sales by introducing products to potential customers and answer their questions.

**Teaching Assistant, Minghua Chinese School.** *Woodbury, MN* 09/2016-present

- Help the Chinese teacher with assignment grading and attendance record tracking.
- Discuss lesson plans and interactive activity ideas to engage the students more in class.
- Refine the curriculum by adding more cultural aspects, i.e. Chinese traditions, history and values.

**Game Developer, Independent Project.** *Remote* 05/2022-08/2022

- Conducted research on Roblox games and designed 3D models using Blender, Unity and Roblox.
- Became proficient with object oriented programming using C# and Lua.
- Developed skills in 3D modeling, mesh manipulation, and level design.
- Tested the game with several users and fixed the bugs to make it more intuitive.

## EXTRACURRICULAR ACTIVITIES

**Varsity Member, Debate Club.** *Woodbury, MN* 09/2020-present

- Participated in PF debate tournaments at the local, state, and national levels.

- Researched topics such as Medicare for all, No first use, the Baltic States, and High-speed rail
- Wrote persuasive evidence-based arguments and discussed how to make them stronger in groups.

**Member, HOSA.** *Woodbury, MN* 09/2021-present

- Created a public service announcement video on the importance of bone marrow donations.
- Was placed third in the state and entered internationals for the Public Service Announcement.
- Regularly attended the HOSA club meetings and learned about healthcare career pathways.

**Member, Close the Gap Club.** *Woodbury, MN* 11/2022-present

- Studied with other students to help close the academic gap between people of color and others.
- Helped students to improve their understanding and class performance in calculus and physics.

**Member, National Honor Society.** *Woodbury, MN* 09/2021-present

- Tutored students in various academic areas, such as math, biology, physics, etc.
- Participated in community service activities, such as creating blankets for children, crafting caring cards for patients, and promoting donations to Children of the World.

**Member, Minnesota Youth Symphonies.** *Woodbury, MN* 09/2020-present

- Performed in the Philharmonic and Repertory Orchestra and several concerts at Orchestra Hall.
- Developed skills in attentive timing and hand-eye coordination to play cohesively with others.

**Peer Tutor & Member, Math Team.** *Woodbury, MN* 09/2020-06/2022

- Studied advanced math knowledge, such as number theory, geometry, trigonometry, and more.
- Prepared for competitions for the Minnesota State High School Mathematics League.
- Regularly attended meetings, study sessions and competitions.

## AWARDS

**2nd Place in the MN State of Math Kangaroo Competition.** *Woodbury, MN* 03/2023

**1st place for Medical Terminology at HOSA.** *St. Cloud, MN* 04/2023

**4th place for Public Service Announcements at HOSA.** *St. Cloud, MN* 04/2023

**USA Computing Olympiad Silver.** 02/2023

**Outstanding Academic Achievement at National Rural and Small Town Recognition.** 08/2023

**National Merit Commended Scholar.** 10/2023

**2nd Place in the MN State of Math Kangaroo Competition.** *Woodbury, MN* 03/2022

**3rd Place in the MN State of Math Kangaroo Competition.** *Woodbury, MN* 03/2021

**2nd Place in Regional Debate Tournament.** *Woodbury, MN* 11/2020

## OTHER AWARDS

**1st Place in MN Music Teachers Association Voice & Instrumental Contest** 03/2020, 2022 & 2023

**Highest Score in MN Music Teachers Association's Comprehensive Violin Exams** 04/2021 & 2023

**Full Score in National Federation of Music Clubs Piano Competitions** 02/2020, 2021 & 2022

**Full Score in National Federation of Music Clubs Violin Competitions** 02/2020, 2021 & 2022

**Highest Score in MN Music Teachers Association's Comprehensive Piano Exams** 06/2020 & 2021

**Highest Score in MN Music Teachers Association's Music Theory Exams** 05/2019-2023

## SKILLS

- Fluent in Mandarin and English
- Proficient in C++, HTML, CSS, and JavaScript.