

JIARUI CHEN

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EDUCATION

National University of Singapore
Bachelor of Computing in Computer Science

Aug 2021 - May 2025

- double major at economics

Changjun High School
High School Diploma

Sep 2018 - Jun 2021

WORK EXPERIENCE

Heralds Musical Club at High School, Director

Sep 2018 - Jun 2021

- Choreographed and instructed dance in club, guided more than 30 club members in vocal practice and chorus training
- Conducted three musical shows in school theater as main actor
- Led an original musical show 'Stand by me' at school theatre in 2021 with more than 200 field audience

Debate Association Club at High School, Vice President and Coach

Sep 2018 - Jun 2020

- Arranged two group sessions per week and taught club members in studying American debate
- Prepared club members for National Speech & Debate in China
- Achieved the Champion & Outstanding Speaker Award in Hunan Region, National Speech & Debate Association China

COURSES

- Programming Methodology, Discrete Mathematics, Ethics in Computing, Calculus for Computing, Linear Algebra, Career Catalyst

AWARDS

- 2020 National History Day (NHD) China Research Paper Contest, 2nd Place, Excellent Use of Primary Source, Excellence in Chinese History and Excellence in Medical/Epidemiological History.
- 2019 International Genetically Engineered Machine (iGEM), Gold Award.
- 2019 National Speech & Debate Association (NSDA) China, Champion & Outstanding Speaker in Hunan Region.
- 2020 Math Kangaroo China, Silver Award for Level 6 (11th and 12th grade).
- 2020 International Economics Olympiad China, Second Prize of Senior Level in the Preliminary.

EXTRA CURRICULAR ACTIVITIES

The Heralds Musical Club in Changjun High School, President

Oct 2018 - Jun 2021

- Joined musical club at school in 10th grade to learn performing singing, acting and dancing through musical shows.
- Took charge of choreography and stage design in 10th grade and organized club activities such as acting and dancing training; conducted three musical performances at school theater; elected as president of club in 12th grade.
- Led club to perform a rendition of climax Come Alive from The Greatest Showman; played a protagonist in original musical show Violet Valerie in June 2019 with 300 field audience and attracted over 10,000 online audiences.

National History Day (NHD) Research Paper Contest, Student & Researcher

Mar 2019 - Mar 2020

- Manage eight group sessions with Professor Yan Zheng from Hunan University on topic of Chinese Modern History; had three individual sessions about modern medicine in China.
- Navigated through important events such as the Opium War and Sino-Japanese War in Chinese modern history for more than six months; visited Sun Yat-Sen Memorial Hospital and learned about barriers and development of modern medicine in China.
- Completed a twenty-three-page historical research paper including foot notations, a bibliography, and a 2500 word thesis text; won 2nd place in Individual Research Paper and three special awards such as the Excellent Use of Primary Source.

The International Genetically Engineered Machine (iGEM), Student & Scholar

Jul 2019 - Nov 2019

- Studied through group sessions about antibiotics and three individual sessions with Dr. Ruyi Shi and Dr. Zeng from Worldshaper Academy for mathematical modeling; engaged in gene editing, molecular biology at Zhejiang University.
- Applied enzymes in detecting and decomposing antibiotics; constructed a detective system and degradation system for antibiotics; analyzed regularities in experimental data and established mathematic models through Excel.
- Completed mathematical modeling task alone and wrote a 15-page wiki for modeling of detective system; participated in presentation and defense in iGEM finals at Boston and won gold award.

National Speech & Debate Association (NSDA) China, Vice President of the Club

Oct 2018 - Apr 2019

- Joined debate club at school to study the American debate and participated in six debate lessons every week in 10th grade.
- Engaged in study of flowing, introduction, crossfire, rebuttal, summary and final focus; as vice president of club in 11th and 12th grade, set up debate lessons for new club members and organized mock debates.
- Won provincial Champion in 2019 and Quarterfinalist in 2018, with outstanding speaker award twice.