**JIARUI CHEN**

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**education**

**National University of Singapore Aug 2021 - May 2025**

**Bachelor of Computing in Computer Science**

* double major at economics

**Changjun High School Sep 2018 - Jun 2021**

**High School Diploma**

**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.