

JIA-SHU (JOSEPH) CHEN

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EDUCATION

Santa Teresa High School

Class of 2016

Senior

GPA: 4.0 (Unweighted), 4.47 (Weighted)

Standardized Testing Scores: 34 (ACT Composite Score)

34 – English, 36 – Math, 33 – Reading, 34 – Science, 10 – Essay

800/800 (SAT Subject Test: Chemistry)

790/800 (SAT Subject Test: Biology)

780/800 (SAT Subject Test: Math II)

5 – AP Chemistry, AP Calculus AB, AP Calculus BC, AP Statistics, AP US History

4 – AP Biology

3 – AP World History, AP English Literature & Composition

ACADEMIC HISTORY

Math Courses

- Multivariable Calculus at De Anza Community College, AP Calculus BC, AP Statistics, AP Calculus AB, Pre-Calculus, Algebra 2, Geometry, Algebra 1

Science Courses

- AP Chemistry, AP Biology, AP Environmental Science, AP Psychology, College Level Calculus Based Physics (At DeAnza Community College), Programming Methods in C++ (At DeAnza Community College), Chemistry, Physics, Biology

Computer Languages

- C++ (Advanced – Learned College Level C++ Programming Skills at De Anza Community College), HTML, CSS, Javascript

Foreign Languages

- English (Fluent), Chinese (Fluent), Arabic (Proficient), Spanish (Proficient)

History and English

- AP United States History, AP World History, AP Art History, AP English Literature and Composition, AP English Language and Composition, English 2A, English 1A
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RESEARCH EXPERIENCE

Abraham Cardiovascular Research Lab at Johns Hopkins Medical Institute

Summer of 2013

Research Assistant

- Worked under Primary Investigator Dr. Maria Roselle Abraham
 - Collaborated with Mr. Justin Morrisette, Ph.D candidate, and Mrs. Sophia Brown
 - Decellularized rat hearts and seeded with neonatal rat ventricular myocytes to test our novel sugar analogs after stimulating the necrosis that occurs post-myocardial infarction.
 - The main issue being addressed was to find an alternate procedure to repair injured cardiovascular tissue that would lead to successful scar formation, by using anti-inflammatory macrophages after sugar analogs altered the typical pro-inflammatory response into an anti-inflammatory response.
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WORK EXPERIENCE

Seldn Inc. (Stealth Start Up Company)
Research and Writer Intern

Summer of 2015-Present

- Seldn is a stealth start up company that specializes in predicting global macro risks using artificial intelligence. The algorithms used and Big Data are able to provide a platform geared towards predicting political, financial, and social macro risks such as economic crashes, labor strikes, and riots.
- At Seldn Inc. I write research papers involving utilizing artificial intelligence and international events regarding our generated predictions about labor strikes, for example, and edit investor briefings for potential investors and corporate council members.

Kumon Math & Reading Center of Santa Teresa
Teacher

Summer of 2015-Present

- At Kumon, I grade the classwork and homework of students ranging from K-12. I also tutor and help the kids with their current subjects that they are struggling with. These subjects range from basic arithmetic to Algebra to Pre-Calculus and Calculus.

VOLUNTEERING

Kaiser Permanente San Jose Hospital Volunteer
Shift Trainer

2012-Present

- Total Years – 3 Years/ Accumulated Hours – Over 350
- In the Kaiser Permanente Volunteer Program, we assist the faculty of Kaiser Permanente by discharging patients, delivering patient paperwork, manning the surgery desk as well as the information desk, being service ambassadors, and executing other errands.

EXTRACURRICULAR ACTIVITIES

Santa Teresa International Relations Club (Model United Nations)
Secretary General/President, and Past Vice President

2013-Present

- Represent countries in United Nations Committees and discuss world issues and events. The ultimate goal is to pass hypothetical resolutions in the simulation of an actual UN committee that appeases all the nations' perspectives and benefits the topic being discussed.
- Plan and host an annual high school Model United Nations conference for schools all over the Bay Area and farther. Our conference is called SCVMUN (Santa Clara Valley Model United Nations Conference) and hosts approximately 800 delegates.
- Santa Clara Valley Model United Nations Conference 2015: 1st Place (World Bank)
- Regional High School Model United Nations Conference 2014: 1st Place (Security Council)
- Stanford Model United Nations Conference 2014: 3rd Place (Historical Crisis Committee)
- Santa Clara Valley Model United Nations Conference 2014: 3rd Place
- Berkeley Model United Nations Conference 2015: 3rd Place and Research Award
- Stanford Model United Nations Conference 2013: Research Award

National Honor Society
President, and Past Vice President

2014-Present

- A service club for academically qualified students that assist in community events through volunteering.

Year Round Swim Team Member**2007-Present**

- Swam on a year round swim team since the 4th grade and have qualified for statewide meets such as Junior Olympics and Far Western Championships.

Santa Teresa High School Varsity Swim Team**2013-Present**

- Making the varsity team in all my years at Santa Teresa, I have been able to represent my team at California's State Competition and fight for a league championship with my fellow Varsity Teammates. I was also part of the 200 Freestyle Relay team that broke our school's 20-year-old record.
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AWARDS**Junior Mathematics Department Achievement Award****Junior Science Department Achievement Award****Junior Social Science Department Achievement Award****1st Place – Regional High School Model United Nations Conference 2014**

- Represented Nigeria in Security Council and debated with nations about the ongoing sectarian violence occurring in Pakistan and surrounding Middle Eastern Nations.

1st Place – Santa Clara Valley Model United Nations Conference 2015

- Represented Serbia in the World Bank and debated with fellow nations about how to best construct financial disaster relief systems and how to increase development in the Philippines.

3rd Place – Stanford Model United Nations Conference 2014

- Simulated the Cabinet of Park Chung Hee in the 1970s. I took the role as the Minister of Unification and fought for the citizens under the developing authoritarian regime of Park Chung Hee and attempted to unify North and South Korea under one sovereign state.

3rd Place and Research Award – Berkeley Model United Nations Conference 2015

- Represented Lithuania in Security Council, and debated over the Islamic State and Boko Haram.

3rd Place – Santa Clara Valley Model United Nations Conference 2014

- Represented Vietnam in UNHCR, and debated over the refugee crisis in Democratic Republic of the Congo and the refugee crisis in Syria.

Research Award – Stanford Model United Nations Conference 2013

- Represented Slovenia in DISEC, and debated over the usage of chemical weapons in Syria and nuclear proliferation in North Korea.

8th Place – 52nd Annual SCVMA Math Competition in Statistics

- Competed for my high school in the statistics category and achieved eighth place overall.

Level 10 Certificate of Merit from the Music Teachers' Association of California

- Passed the Certificate of Merit test, which evaluated piano performance, theory, sight-reading, and ear training. This certifies me as a qualified piano instructor.

President's Volunteer Service Award

- Because of my volunteer service at Kaiser Permanente and having achieved over 275 hours, I was awarded the President's Volunteer Service Award for Community Service.

AP Scholar and AP Scholar with Distinction Award