

Shirley Zhu

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832-573-1486

Education

Bellaire High School (2017 – 2021) 5.0/5.0 GPA Rank 1 out of 790
PSAT: 1500/1520 SAT Math II Subject: 800/800
National Merit Semifinalist and AP Scholar

Experience

Fresh Hub • President and Co-Founder April 2018 – Present

- Co-founded the excess food rescue and redistribution program, aiming to end food waste and eliminate food desert
- Developed collaboration with Second Servings and Houston Health Department Multi-Service Centers, coordinating the food pick-up and setting up the Facility Use Agreement
- Led 17 market events, collecting 10,400 pounds of unsold fresh produce and bread, delivering food to 1,470 residents in the underserved communities
- Led a team to develop a mobile app that announces free food resources and promotes a healthy eating style
- Established collaboration with stakeholders; 3 city depts, 6 health partners, and the Texas Workforce Solutions
- Facilitated focus groups for Houston Housing Department & administered Housing Community Needs Surveys
- Coordinated nearly 100 students from 3 schools to be volunteers and documented volunteer hours & award
- Applied to and received grants from Houston CPAs Helping Schools (cumulative of \$1000) to purchase supplies for the food distribution events; reported the Grant expense and progress
- Developed the web site (www.freshhubhouston.com) and coordinated news release for the project, featured in Build One Houston Podcast, City News Release, Buzz Magazine, Houston Style Magazine, West Village Magazine
- Created videos, newsletter and videos to promote Fresh Hub and its methodology
- COVID-19 Response: food deliveries to 100 low income families (seniors at the Redford Apartments, pregnant women from Nurse Family partnership, diabetic client from DAWN program) and 2 deliveries to Santa Maria Hostel (a women's recovery center)
 - Received food requests from individuals and manager of apartments through our website and app

Readiness Across Mathematics (RAM) • Vice President April 2019 - Present

- Curriculum designer and leading lecturer of a four-day summer camp and 5 half-day math workshops
- Speaker at HISD Board Meeting and Old Spanish Trail/South Union Steering Committee Meeting

Bellaire High School Student Council • Vice President/Treasurer September 2017 – Present

Project Santa—holiday celebration for the patients of Texas Children's Hospital

- Contacted Russo's Pizzeria and Gugliani's for pizza donations to feed one hundred families
- Worked with the Texas Children's Hospital to assign the patients' wish lists to high school clubs

Student Diversity Month

- Drafted and presented the protocol of the student advocacy month to the administration office
- Promoted the events to the club presidents, coordinating club participation

Gardens of Bellaire Outreach

- Contacted the manager and made the schedules for the weekly activities
- Recruited clubs to arrange teachings and performances

Bellaire Future Problem Solvers • Co-President/Co-Founder/Coach April 2018 - Present

- Recruited and coached 40 club members--lead trainings for 4 Global Issues Problem Solving teams, 2 Community Problem Solving (CmPS) team, 1 CmPS individual, 4 writing competition entries and 1 performance entries
- Led two fundraising events in a year & Developed the website (www.BellaireFPS.com)
- Obtained \$3,200 in grants from ConocoPhillips and Dell to sponsor the state and international competitions
- In charge of the registration and logistics of state and international competitions

Write Club • President August 2019 – Present

- Coached Write Club members for writing competitions including Scholastic and National Youth Arts
- Organized an author visit with Ngozi Ukazu

Texas State University Honors Math Summer Camp • Research Intern

June 2018 –August 2018 • 3 months Number Theory and Mathematica Lab

June 2019 –August 2019 • 3 months Analysis and Combinatorics & Oriented Hypergraphs Research

Published research on ArXiv: <https://arxiv.org/abs/2005.07722>

Rice University (RUSMP) • Web Master October 2019 – Present

- Updated the webpage and making videos for the theme of Teachers in Houston

J&H Dance School Student Committee • Vice President March 2019 – Present

- Prepared and Submitted the application for HEB Prelude Performance

- Led J&H 2019 Showcase, including MPVA auditorium reservation, news release, stage manager
- 2019 C-Dream Gala Emcee & 2019 Recital Emcee & \$500 Scholarship

Awards & Honors

Volunteer Service

Prudential Spirit of Community State Finalist

President's Volunteer Service Award

250+ hours of service

Gold • 2019 • Corporation for National Community Service

President's Environmental Youth Award (PEYA)

1 of 35 students selected across the nation

National Winner • 2020

Points of Light Award

2020 • Daily Point of Light Award

FPS Community Problem Solving

1st Place in Human Service • 2019 • Future Problem Solving International

Bellaire PTO Student Award

PTO Student Award & 500 Scholarship • 2019 • Bellaire High School PTO

Computer Science

Award for Aspirations in Computing

National Winner • 2020 • 1 of 40 chosen out of the nation • National Center for Women & Information Technology

Houston Winner • 2019 • National Center for Women & Information Technology

Congressional App Challenge

TX-07 Winner • 2019 • U.S. House of Representatives

UIL Computer Science A+ Competition

1st Place • 2019 • Seven Lakes Classic Kickoff

2nd Place • 2018 • Clements HS Programming Competition

Together with Tech Conference Code.It Winner

2nd Place & \$300 Award • 2019 • Houston Independent School District

USACO

Gold • 2020 USA • Computing Olympiad

Writing and Art

Scholastic Art and Writing Awards - Writing

National Awards: 2 Silver Medals in Writing • 2018, 2020 • Scholastic Awards

Regional Awards: 3 Gold Keys & 2 Silver Keys in Writing • 2018, 2019 • Scholastic Awards

Fresh Ink Fiction Contest

3rd Place • 2017 • UT Austin Division of Diversity and Community Engagement

Scholastic Art and Writing Awards - Art

Regional Awards: 2 Gold Keys in Art • 2020 • Scholastic Awards, 2 Silver Keys in Art • 2018, 2019 • Scholastic Awards

Congressional Art Competition

TX-07 Regional Winner • 2019 • U.S. House of Representatives

Houston Young Artists' Concert Art

1st Place • 2018 • Houston Young Artists' Concert

Project Untold

Student Award • 2020 • Bellaire PTO

Initiative by Shirley, using art and writing to share untold stories of marginalized groups

www.projectuntoldhouston.com

Math

American Mathematics Competition 10

Honor Roll, top 5% nationally • 2019 • Mathematical Association of America

American Invitational Mathematics Examination Qualified, top 5% nationally • 2020 • Mathematical Association of America

University of Houston Math Contest

2nd Place Research Project • 2018 • University of Houston

Purple Comet

4th Place Texas • 2019 • Purple Comet

Dance

Dance Competition

1st Place in Advanced Senior • 2019 • Showstopper Dance Competition Houston

1st Place in Competitive Senior • 2018 • Platinum Dance Competition Houston