ALEX YANG

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Austin, TX Class of 2021

Education

Liberal Arts and Science Academy (LASA)
Weighted GPA: 4.7
Class Rank: #6

AP Courses:

2018
- Computer Science: 5

2019
- World History: 5
- BC Calculus: 5

2020 (scores pending)
- Physics 1
- Physics 2
- Physics C (Magnetism)
- Physics C (Mechanics)
- Chemistry
- Chinese
- English 1:

Skills

- Engineering / Construction
  - CAD
  - Build Leading
  - 3D Printing
  - Carpentry / Metal working
- Programming
  - Python
  - Javascript / HTML / CSS
  - Java
  - C++
  - Google Cloud Platform
  - Git / Github
  - Machine Learning (Tensorflow and Pandas)
  - Flutter and Android Studio

Extracurriculars

- Science Olympiad (SciO)
  State and National Team
- Robotics
  Build Lead / Lead Engineer
- App Development
- NHS

Awards

2018
- SciO: **1st** at Regionals
- SciO: **1st** at State
- SciO: **2nd** Place at State
- SciO: 21st/60 at Nationals
- Robotics: 8th/41 at Regionals
- Robotics: 29th at State
- SciO: 21st in Nationals

2019
- SciO: **1st** at Regionals
- SciO: **2nd** at State
- Robotics: 9th/41 at Regionals
- Robotics: 41st/64 at State

2020
- SciO: **2nd** at UT
- SciO: **1st** at Cy Falls

Experience

- SciO: Tasked with competing in Forensics and scored 1st place, propelling the team to 1st at Cy Falls
- Robotics: Assigned a team to manage and taught them core engineering skills and completed the robot
- Developing: Created a Google Docs plug-in independently, learning key concepts in the process (web development, web design, marketing)
- Developing: Built a billiards game in C++ on a team of five members. Managed and implemented code for the physics and graphics engine, finishing 3 weeks early and saving the team valuable time to implement additional features