

Haicheng Charles ZHAO

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WORK AND VOLUNTEER EXPERIENCE

- 2015-Present **TJ Student Systems Administrator**
Sponsor: Bryan Phillips
Help set up and maintain school's servers as well as perform other technology-related tasks. Specifically, help develop and maintain the TJ Intranet, Ion: ion.tjhsst.edu
- 2015-Present **Project CODEt Executive Team Member and Head of Mobile Labs**
CEO: Rupali Dhumne
Organization aims to expose elementary and middle school students to Computer Science early on by hosting workshops and other events. As a member of the executive team, I help decide what directions the organization takes to impact the most students. The Mobile Labs initiative is one of our attempts to spread CS to disadvantaged areas.
- 2012-Present **Neighborhood Swim Team Coach**
Head Coach: Derek Smith
Coach neighborhood swim team year-round.

ACADEMIC AND EXTRACURRICULAR ACTIVITIES

- 2016-Present **TJ Senior Computer Team Co-Captain**
Sponsor: Thomas Rudwick
Write and give lectures as well as hold contests and select teams to participate in competitions.
- 2015-2016 **TJ Intermediate Computer Team Captain**
Sponsor: Nicole Kim
Write and give lectures every other week as well as assign lectures to other officers for weekly meetings. Take care of logistical tasks such as creating selection processes for choosing members to participate in competitions.
- Summer 2016 **MIT Beaver Works Summer Institute**
Sponsor: MIT Lincoln Laboratory Beaver Works
Selected by Artificial Intelligence teacher (Dr. Peter Gabor) as the male representative of TJ to participate in this new program at MIT concerning autonomous vehicles. 4-week free summer program where we worked with faculty and students in teams to learn about and program mini autonomous cars.
- Summer 2014 **Camp Rising Sun**
Sponsor: Louis August Jonas Foundation
Full-scholarship, 7-week international camp established in 1930 promoting leadership and service. Planned and led project to construct a sundial, which became a symbol for the camp.
- 2015-Present **TJ National Honor Society**
Sponsor: Rob Culbertson
Uphold character, scholarship, leadership, and service.

- 2006-Present **Piano**
Teacher: Lai-Lan Ko
 Have played piano competitively for many years and graduated from Associated Board of the Royal Schools of Music (ABRSM) Grade 8 (highest grade) with merit. Currently play at charity events and for personal enjoyment.
- 2013-Present **TJ Cross Country and Track**
Coach: Todd Withington
 Participate in school's cross country, winter track, and spring track programs.

AWARDS AND ACHIEVEMENTS

- MAR. 2016 **1st Place in IDT Programming Contest**
 Worked with a team in this contest held by Innovative Defense Technologies (IDT). Teams had to provide IDT, the "customer," with a robust package tracking solution. Won \$1500 for TJ and received tablets.
- FEB. 2016 **Best Website at HackTJ 2016**
 Worked with team of four to develop website. Selected best website out of 120 teams.
- MAR. 2015 **1st Place in Radford CTF**
 Organized a team in this computer security competition hosted by Radford University and awarded a scholarship.
- APRIL 2015 **1st Place in Chemathon**
 Selected into a team of six from sophomore class to compete in this chemistry competition hosted by the University of Maryland. Competed in lab- and test-based events.
- FEB. 2016 **USACO Gold Division**
 Promoted into Gold Division of the USA Computing Olympiad (USACO), which hosts four online algorithmic programming contests each year.
- MAR. 2015 **UVA Enactus Case Competition**
 Selected as part of the top 4 from TJ Future Business Leaders of America (FBLA) to participate in this case competition hosted by the University of Virginia. Given a case for a real local company called The Pie Guy and had to develop solutions for the company.
- 2013-2015 **Four Gold Medals on National Latin Exam**
 Received a gold medal on every National Latin Exam taken, from Latin 1 to Latin 4.
- SEPT. 2015 **National AP Scholar**
 Earned a 5 on all AP exams taken (8 in total): Biology, Computer Science, Statistics, Physics C Mechanics, Physics C E&M, Latin, US History, Calculus BC.
- MAY 2013 **NVMTA Sonata Festival Winner**
 Selected as a winner in this competition hosted by Northern Virginia Music Teachers Association (NVMTA) and performed at winners' concert.