

# Haicheng Charles ZHAO

✉ [czhao39@gmail.com](mailto:czhao39@gmail.com) | 💻 [hczhao.me](http://hczhao.me) | 🌐 [github.com/czhao39](https://github.com/czhao39)

## PERSONAL DATA

---

HIGH SCHOOL: Thomas Jefferson High School for Science and Technology  
GPA: 4.523 (weighted), 4.0 (unweighted)  
SAT (NEW): 1600

## AWARDS AND ACHIEVEMENTS

---

- MAR. 2016 **1st Place in IDT Programming Contest**  
Worked with a partner in this contest held by Innovative Defense Technologies (IDT). Teams had to provide IDT, the "customer," with a robust package tracking solution. I worked on the mathematical parts, such as calculating the estimated time of arrival. Won \$1500 for school and received tablets for winning 1st place.
- FEB. 2016 **Best Website at HackTJ 2016**  
Worked with team of four to develop website that teaches Mandarin definitions and pronunciations. I mostly worked on speech recognition, text-to-speech, and the front-end. 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.
- MAR. 2017 **2nd Place in VCU High School Programming Contest**  
Worked with a team of four in this algorithms contest hosted by the Virginia Commonwealth University.

## WORK AND VOLUNTEER EXPERIENCE

---

- 2015 – Present **Student Systems Administrator**  
Help set up and maintain school's servers as well as perform other technology-related tasks. Specifically, I help develop and maintain the TJ Intranet, which students and faculty use to take attendance, post news, and sign up for activities.
- 2015 – Present **Project CODEt Executive Team Member**  
This organization aims to expose elementary and middle school students to computer science early on. As a member of the executive team, I help decide what directions the organization takes to impact the most students. I am currently writing a full Python curriculum for students in Kenya who have no experience with programming.
- 2016 – 2017 **TJ IOI Finance and Technology Lead**  
On planning committee for TJ IOI, which is a seven-hour programming competition we are holding in May. As Finance Lead, I have acquired over \$2000 in money and prizes. As Technology Lead, I have created a restricted Linux virtual machine on which participants will program during the competition.

## ACADEMIC AND EXTRACURRICULAR ACTIVITIES

---

- 2016 – 2017 **AIM Robotics FRC Team, Lead Programmer**  
Lead programmer of the FIRST Robotics Competition (FRC) AIM Robotics team. I incorporated as much autonomy into the robot as possible. Won Innovation in Control Award.
- 2016 – Present **Senior Computer Team Co-Captain**  
Write and give weekly lectures as well as hold contests and select teams to participate in competitions.
- Summer 2016 **MIT Lincoln Laboratory Beaver Works Summer Institute**  
Selected by Artificial Intelligence teacher as the male representative of my school to participate in this new program at MIT concerning autonomous vehicles. Four-week free summer program where we worked with faculty and students in teams to learn about and program mini autonomous cars.