

# Haicheng Charles ZHAO

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## AWARDS AND ACHIEVEMENTS

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- 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 school and received tablets for winning 1st place.
- 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.
- DEC. 2016 4th Place in UVA High School Programming Contest**  
Worked with a team of three in this algorithms contest hosted by the University of Virginia. Won fourth place out of more than 100 teams.
- MAR. 2016 Perfect Score on SAT**  
Did not miss any questions on the new SAT.

## WORK AND VOLUNTEER EXPERIENCE

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- 2015 – Present Student Systems Administrator**  
Help set up and maintain school's servers as well as perform other technology-related tasks. Specifically, help develop and maintain the TJ Intranet.
- 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. One of our main goals is to spread computer science education to areas where they are currently unavailable. Thus, I am currently writing a full Python curriculum for students in Kenya who have no experience with programming.
- 2012 – Present Neighborhood Swim Team Coach**  
Coach neighborhood swim team year-round.

## ACADEMIC AND EXTRACURRICULAR ACTIVITIES

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- 2016 – Present AIM Robotics FRC Team, Lead Programmer**  
Lead programmer of the FIRST Robotics Competition (FRC) AIM Robotics team. I program for more than 15 hours per week and am incorporating as much autonomy into the robot as possible.
- 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 (Dr. Peter Gabor) 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.