

Henry Chen

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Education, Honors and Awards

- Academy of Information Technology (AOIT) Program, Wootton High School (Grade 9 - 12)
 - Accepted into the 4-year program with around 50 students per graduating class, focusing on information technology
 - My AOIT Program ePortfolio - <https://sites.google.com/site/aoiteportfoliohc>
- ACT 36 • SAT II Math 2 790 • SAT II Physics 750
- Past AP Classes: AP Calculus BC 5 • AP Computer Science 5 • AP US History 5 • AP English Language 4 • AP Chinese 5
- Senior Classes: AP English Literature, AP World History, AP Physics C, Multivariable Calculus, Computer Programming 3, Applied Science & Engineering
- National Honors Society (Grade 11- Present)

Internship, Career Interest Activities and Skills

- National Institute of Standards and Technology, Gaithersburg, MD (Summer 2016)
Summer High School Intern Program (SHIP), *Information Technology Laboratory*
 - Extracted and analyzed data regarding password security
 - Created software tools with user-friendly graphic interface for password analysis and data visualization using Java, JavaScript, D3 library and HTML5
(<https://github.com/usnistgov/PasswordVizTool>)
- Innovation Provisional Patents (February 2016)
 - US62/289,672: Tetra-Fold Poster Board
Developed with my sister to make an oversized poster easy to carry, inspired by my Dad's traveling needs
 - US62/289,748: Soft Mold for Snow and Sand
Developed to help build snow man after playing in the snow with friends
- Top 100 in Nationwide High School Hacking Competition (HSCTF) (May 2015)
 - Capture The Flag (CTF) structure: information security competition, team of 3
- PicoCTF Competitions (<https://picoctf.com/about>) (October 27 – November 7, 2014)
- Cisco's Netacad Networking Curriculum (Grade 10)

Volunteer Service (Over 270 Hours)

- **Teacher Assistant**, *Potomac Chinese School* (Grade 8 - 11)
 - Assisted different teachers with supervising students, grading homework, copying papers, and helping with school wide competitions.
- **National Honor Society Member**, *Wootton High School* (Grade 11)

- Tutored fellow students, primarily in Math
- Raised money for the homeless and generated awareness in the community about the situations of the homeless through organizing the 'Homeless Walk'

Extracurricular Activities

- **Piano** – Individual instruction (Age 7 – Present)
 - Piano National Guild Winner (Grade 5 – 9)
- **School Clubs**
 - Robotics Club (Grade 10 – Present)
 - Build, program and compete leJOS NXT robots to do various tasks
 - Graphic Design Club – offered only in Grade 10 (Grade 10)
 - Learned and practiced Photoshop skills
 - Aeronautics Club (Grade 9)
 - Examined the principles of aerodynamics
- **Athletics**
 - Maryland Table Tennis Club (March 2013 - Present)

Work Experience

- **Graphic Designer and Video Editor**, YouTube Channel (Summer 2015 – Present)
 - Design game visual interfaces using Photoshop and Gimp, showcase interfaces through videos made using Sony Vegas Pro 13
- **Private Tutor**, *Rockville, MD* (Fall 2014 - Summer 2015)
 - Assisted students by tutoring and helping them with their homework in all subjects, class participation, and preparation for quizzes and tests

Skills

- Fluent in Mandarin
- Proficient in Microsoft Office, Google Drive Products, GNU Image Manipulation Program (GIMP), Sony Vegas Pro 13 and Photoshop
- Computer Languages
 - C++
 - Java
 - HTML5 & JavaScript