

# Claire Gantan

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## Education:

2015 – Present      **Crescenta Valley High School, Academy of Science and Medicine**  
Graduating Class of 2019, Current Weighted Cumulative GPA: 4.54

## Internships and Research:

2017-Present      **Simple Layers Internship – recruited as 1 of only 2 freshman in AP Comp Science class, accepted into class by petition. Earned “5” on AP test 9<sup>th</sup> grade.**

2016-2018      **USC Bridge Undergraduate Science Program – Paid intern. Fraser Lab, Summers 2016, 2017.**  
**Alfred Mann Institute of Biomedical Engineering, also through Fraser Lab, Summer of 2018.**  
**Open to USC students and few select high school students. Youngest student accepted in history of program, worked on improving the Photon Microscope.**

2017      **Children’s Hospital of Los Angeles Concussion Study**  
**Worked with professionals from the hospital to study concussion rates and causes in high school football players at the high school.**

March 2018      **Poster Presenter at L.A. Science Fair about the concussion study**

## Honors, Awards and Memberships:

2015 – current      California Scholarship Federation, Gold Seal Bearer

2017 – current      AP Scholar 10<sup>th</sup> grade, National AP Scholar pending, 11<sup>th</sup> grade tests

2016- 2017      **Junior Varsity & Frosh-Soph Basketball Team All-Academic Award**

2016      **National Center for Women & Information Technology (NCWIT) AspireIT Program Leader Grant Awardee – Grant awarded to high school girls to create computer science programs in their communities focused on getting younger girls interested in the STEM field. Organized and created a four day program for local Girl Scouts to learn more about robotics, computer science, and other careers in STEM.**

2016      **NCWIT Aspirations in Computing Award – Los Angeles & Orange County Regional Runner Up –National award for high school girls who are pursuing a career in the technical field, awards girls for their computational achievements.**

2018      **Poet - Journeys Publication, published in school literary magazine.**

2015      **Poet - Journeys Publication, published in school literary magazine.**

## Leadership:

2017      **Academy of Science and Medicine-elected 10<sup>th</sup> grade class president, 11<sup>th</sup> grade class vice president, and 9<sup>th</sup> grade liaison**

2016-Present      **Key Club-elected technology chair, elected Technology Chair 2 years, responsible for web site development.**

2017      **LA Science Fair and Crescenta Valley High School Science Fair -team captain**

## Activities:

2017      **JPL Invention Challenge – Challenge for middle school and high school students as well as JPL employees to complete an engineering challenge.**

2017	<b>Congressional App Challenge – 3<sup>RD</sup> place. A nationwide competition for high school students endorsed by each congressmen (Adam Schiff) to showcase their computer science skills in an app competition. The Habit Tracker app tracks and rewards users for completing good habits.</b>
2015 – Present	<b>Crescenta Valley High School Robotics Team</b> Programming Subsystem Team, Team Award: Engineering Inspiration Award 2017
2015 – Present	<b>Key Club – meets weekly</b>
2015 – Present	<b>Academy of Science and Medicine – 3-year high school advanced curricular program</b> <b>Elected: Senior Co-President, 11<sup>th</sup> Grade Class Vice President, 10<sup>th</sup> Grade Class President, 9<sup>th</sup> Grade Class Representative</b>
2015 – 2017	<b>Frosh-Sophomore Basketball Team, Junior Varsity Basketball Team</b> Forward, CIF Champions
2010 – Current	<b>Girl Scouts of America Troup 491</b> Silver Award, Bronze Award, Gold Award in progress, to be completed senior year.

#### **Volunteer Activities:**

2015 –2017	Monte Vista Elementary School FIRST LEGO League Team Mentor
2016	NCWIT AspireIT Grant Program (Awardee, see above) - Founder and organizer of program for high school girls to create computer science programs in their communities focused on getting younger girls interested in the STEM field. Organized and created a four day program for local Girl Scouts to learn more about robotics, computer science, and other careers in STEM.
2017	<b>Robotic Hand Project – work on developing 3D prosthetic hand for those in need</b>
2018	<b>Girl Scout Gold Award- in progress, developing a translated computer science course for orphan girls in the Philippines to learn useful skills.</b>
2016-2019	<b>AP Computer Science “Super AP”- Assisted students taking the AP Computer Science Class by teaching the class and with one-on-one help sessions per student’s needs.</b>
2015-2017	<b>Brother’s Helpers- Made lunch bags at church on Saturdays (EVERY SATURDAY?) to give to homeless people on Skid Row</b>
2014-2017	<b>Volunteered at church as an altar server (every other weekend)</b>