Andrea Chaves

EDUCATION

New York Institute of Technology, School of Education, New York, NY   October 2010 – May 2012
   Master of Science, Instructional Technology, GPA 4.0, Dean's List
New York University, Steinhardt School of Education, New York, NY   September 2004 – May 2006
   Bachelor of Science, Foreign Language Education, GPA 3.6, Dean's List,
   Phi Theta Kappa National Honor Society

EXPERIENCE

- **Instructional Coach**   **September 2013 – Present**
   Mentored teachers to become more innovative educators through the use of technology and project based learning techniques. This included classroom inter-visitations, one on one coaching sessions to collaborate in the creation of creative units and lesson plans.
- **Pioneer and Mentor of TYWLS TECH EXPLORERS**   **September 2015 – 2019**
   Created a three week, student led summer program where student-teachers taught public school girls to how to code through the process of making apps that seek solutions to social issues.
- **Teacher of Foreign Language and Technology**   **September 2009 – 2018**
   The Young Women's Leadership School, Astoria, NY, NYC DOE
   Developed and implemented UBDs and curricula on different levels for Spanish classes including a focus on current events and effective technology integration. Created e-portfolios for each student in my Spanish classes, technology classes and advisory groups. Conducted workshops for teachers on how to implement different technologies in the classroom. Created a blended learning Spanish/Technology environment in partnership with Globaloria, where the students design their own Spanish games using FLASH. Additional leadership and school based activities are listed below.
- **Pioneer and Mentor of TYWLSA TECHNOLOGY INTERNSHIP**   **September 2012 – 2018**
   Over the years trained and supervised 50+ students to become the TYWLSA Technology Crew to serve our school in different aspects. These students have trained TYWLSA of faculty members and other teachers in the U.S. on how to implement various technologies in the classroom; have collaboratively planned and taught Intensives, a two-week, entire school day elective course; have created short films and animations; have collaborated with faculty and administrators to produce a new school website; have created various projects such as: the digital dance, unlocking counterparts, Youth Media Channel
- **Advisor TYWLSA GIRLS WHO CODE (GWC)**   **September 2012 – 2018**
   Created a partnership with GWC to expose students to the language of coding and the collaboration, critical thinking, accompanying creativity skills.
- **Advisor of TYWLSA MULTICULTURAL CLUB**   **September 2009 – 2018**
   Conducted research and created a movie in collaboration with the club's members to discover how many different cultures we have at our school and how it influences our school's community. Organized the Annual Eco-Friendly Fashion Show fundraiser, which promotes environmental awareness. More than 50% of the school's population participates every year. Hosted different fundraising events in order to create a scholarship for one of our students to be awarded towards higher education.
- **Advisor of TYWLSA DANCE MY CULTURE CLUB**   **September 2009 – 2018**
   Created the club in order to celebrate diversity and share the multiculturalism that represents our school. The process takes seven months; students from different cultures share and teach other students the dances of their respective culture. This is the school's most popular event and it gather 90% of the parents.

Sample Publications / Quotes / Addresses

- ❖ Broadcasted in 5: Hola Computer Science PodCast, 2020
- ❖ Panelist at the CS4All Why CS Matters in Communities of Color event at Teachers College, Columbia University, October 2019.
- ❖ Speaker at the NCWIT Summit - Plenary III, TECHNOLOchicas 3.0, 2018
- ❖ Spotlighted in a PBS episode of SciGirls Andrea Chaves – Pedagoga and Digital Dance Episode, January, 2018
- ❖ Spotlighted in Univision for Digital Dance 2.0. "Tutús que brillan al ritmo de la música: estas niñas hispanas mezclan baile y computación" 2017
- ❖ Broadcaster in Univision for the Technolochicas campaign, 2017
- ❖ Interviewed for "The Search for Method in STEAM Education" book written by Jaime E. Martinez, 2017
- ❖ Spotlighted for the participation of the Digital Dance in the YWLN 20th anniversary, The Wall Street Journal, October, 2016
- ❖ Spotlighted as STEAM Girl in QPTV, October 2016
- ❖ Spotlighted in the story: Astoria Program Helps Female Students Explore Tech World in NY1, July 2016
- ❖ Speaker at the United Nation on behalf of Youth Empowerment for Agenda 2030 Climate Action through Science, Technology and Innovation, June 2016
- ❖ Speaker, Women of Color STEM Entrepreneurship Conference, AZ, May 2016
- ❖ Spotlighted as Univision's 2016 Maestra de Impacto in Univision 41, May 2016

- ❖ Spotlighted in: Women + Tech presented by Sphero, March 2016
- ❖ Spotlighted in: Leader in Connected Play Highlights Other Female Leaders in Technology Industry, www.businesswire.com, March 2016
- ❖ Speaker along with two of my students, iPads for NYC Educator, NY, March 2016
- ❖ Speaker along with two of my students, National Coalition of girls education, NY, February 2016
- ❖ Mention in: "Weekly Address: Giving Every Student an Opportunity to Learn Through Computer Science For All", The White House, Office of the Press Secretary, January 2016
- ❖ Spotlighted in: "Computer Science For All", The White House Blog, January 2016
- ❖ Spotlighted at Univision's Quiero Aprender in Univision 41, NY, 2016
- ❖ Spotlighted at Maestro de Impacto in Univision 41, NY, 2016
- ❖ Quoted in: "Helping America Code: A Day with Computer Science Champions of Change", The White House Blog, February 2016
- ❖ Published: "Girls and Coding: Seeing What the Future Can Be", Blog.ed.gov, HomeRoom: The official blog of the U.S. Department of Education
- ❖ Spotlighted at ABC News along with my student Daniela Leguisamo, recipient of the Innovation Youth Award, NY, 2015
- ❖ Quoted in: "Students Pitch Apps, Games in D.C. as Part of Hispanic Heritage Initiative", Digital Education, EDWeek, October 2015
- ❖ Quoted in: "To grow new generation of girl scientists, some schools go single sex", The Christian Science Monitor, October 2015
- ❖ Speaker along with two of my students, Latinism, Washington D.C., 2015
- ❖ Speaker along with two of my students, Think Tank Conference in Nashville, Tennessee, 2015
- ❖ Speaker along with four of my students, Games for Change in New York, NY 2015
- ❖ Speaker, National Conference on Girls' Education, PA, 2014
- ❖ Spotlighted at Adobe's Youth Coding Initiative: Girls Who Code in Adobe's Create Change Series, 2014
- ❖ Quoted in: "Tech Crew": Intensive 21st Century Learning @ YWLS, Astoria", Innovation4Engagement, UK, June 2014
- ❖ Spotlighted at Eco-Friendly Fashion Show in Telemundo news, NY, 2013
- ❖ Spotlighted at Digital Learning Day in Telemundo news, NY, 2013

AWARDS AND ACHIEVEMENTS
- ❖ Chosen as one of ten Technolochicas 2.0, latinas innovators and role models that work to build the next generation of technology workers in the USA. (April 2017)
- ❖ Recipient of NCWIT Aspirations in Computing Educator Award (May 2015 and March 2017)
- ❖ Recognized as an Apple Academy Teacher, Cupertino, CA. (October 2016)
- ❖ Directed 50 students to blend dance and technology to create a powerful work of art: "Digital Dance" and "Digital Dance documentary", 2016
- ❖ Invited to the U.S. Department of Education with Secretary of Education John B. King, Jr. to speak about the need for Computer Science in our school systems, June 2016
- ❖ Recipient of the Empire State teacher of excellence award. An annual recognition given to one educational leaders (PreK-12) chosen from all the 75,000 pool of educators of New York State.
- ❖ Mentored 30+ students awarded with the NCWIT awards including three national winners and four affiliate winners. (2015-2018)
- ❖ Mentored Margot Richaud who is one of the last recipients of the Gates Millennium Scholar and one of the four girls chosen nationwide by GWC to be a YouTuber inspiring coder for other girls around the world. (March 2016)
- ❖ Directed students on the creation of a short documentary "The Power of All Girls Schools" launched at the opening event at the National Coalition for Girls Schools (February, 2016)
- ❖ Recipient of Computer Science White House Champion of Change (January 2016)
- ❖ Advisor and mentor to nine recipients of ESA LOFT Video Game Innovation Fellows. The students and I attended presentations and briefings at the White House in Washington, DC, where the students were awarded grants for creating video games that seek solutions to problems in their communities. (October, 2016) (September, 2015) (October, 2014) (October, 2013) (December 2012)
- ❖ Mentored Daniela Leguisamo, one of the three students that received the Technology and Innovation Award by the Hispanic Heritage Foundation, (December 2015)
- ❖ Directed students through the Dream it, Code it, Win it, MIT contest that has led 21 girls from TYWLS TechCrew receiving recognition for the creation of apps that seek solutions to social issues. (April 2015) (April 2014)
- ❖ Directed students through the national Follett Challenge Contest that led TYWLS of Astoria receiving the second place of the challenge. (March 2015)
- ❖ Mentored Geraldine Agredo, one of the seven people chosen by Adobe as their seven people that have created change in the world. (2014)
- ❖ Coached the first teenager speaker at the Games for Change summit, NY. (March, 2014)
- ❖ First ever recipient of the Innovation Educator Award from Hispanic Heritage Foundation in New York, NY. (December 2013)
- ❖ Facilitator of student projects and activities that incorporated Apple technologies and team leader for the application process and iBook creation that led to TYWLS of Astoria receiving the Apple Distinguished School Award. (November 2013, 2016)

SKILLS
Word, Excel, PowerPoint, KeyNote, Pages, Numbers, iMovie, FinalCut Pro, GarageBand, Adobe Flash, iBooks Author, various Web 2.0 tools; Fluent in Spanish and English; Beginner in Italian; Beginner in Greek; Beginner in JavaScript.