

Ashley I. Perez

University of Texas at Austin

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EDUCATION

University of Texas at Austin	Major: Mechanical Engineering	2016- 2020
Science Academy- South Texas ISD , Mercedes, Texas		2012- 2016
<i>Distinguished Plan</i>	Rank: 7	Class Size: 178
		GPA: 4.0 out of 4.0
Rochester Institute of Technology , Rochester, New York		
PLTW Computer Integrated Manufacturing		2016
PLTW Principles of Engineering		2015
PLTW Digital Electronics		2014
PLTW Introduction to Engineering and Design		2013

EXPERIENCE

Engineering Design and Development	2015-2016
<ul style="list-style-type: none">PLTW HS Senior project to apply engineering courses and solve choice of real-world problem; project involved automating police body cameras using Arduino and GoPro capabilities.	
Institute of Biosciences and Bioengineering Summer Academy, Rice University	2015
<ul style="list-style-type: none">Took part in research regarding post-translational metabolic labeling of newly synthesized proteins; a mentor guided preview of graduate-level research at Rice University	
Code at Texas Advanced Computing Center	2015
<ul style="list-style-type: none">Two-week program at TACC in Austin, Texas as part of an introduction to coding and advanced computing using technology business exploration, python, java graphics, and swarm robotics.	

SKILLS

- Software: Microsoft Word, PowerPoint, Excel, Autodesk Inventor CAD (Computer-Aided Design), Google Sketch-Up, NI Multisim CDS (Circuit Design Software), RoboPro, Robo-Cell, LEGO Mindstorms, CNC G and M code, Python, Arduino, and Java.
- Hardware: power tools (circular saws, automatic jigsaws, drills, and dremels), bread-boarding, soldering, and sewing

AWARDS & DISTINCTIONS

TSA Manufacturing Prototype National Finalist	2015-2016
President's Education Awards Program- Outstanding Academic Excellence	2012-2016
NCWIT Award for Aspirations in Computing, San Antonio Area Affiliate	2016
AP Scholar with Distinction	2015
National Hispanic Scholar	2015

HS EXTRACURRICULAR ACTIVITIES

Science Academy Student Ambassador	2015-2016
<ul style="list-style-type: none">Volunteered to serve school as tour guide and commercial representative	
Society of Woman Engineers, <i>SWENexte</i> r	2015-2016
Peer Assistance Learning Services (PALS), <i>Vice-President (2015-2016)</i>	2014-2016
<ul style="list-style-type: none">In charge of tutor recruitment and organizing tutoring sessions	
National Honor Society, <i>Member</i>	2013-2016
Technology Student Association (TSA), <i>Vice-President (2015-2016)</i>	2013-2016
<ul style="list-style-type: none">Manufacturing Prototype, <i>Team Leader</i>	
-Project-based product development and manufacturing production plan competition	