

## alecita9perea@hotmail.com (973)337-7258 25 Rome Ave Apt. 1G Bedford Hills, NY, USA 10507

EDUCATION	<b>Harvard University</b> , Cambridge, MA <b>Fox Lane High School</b> , Bedford, NY (GPA: 94.87 UW)	Anticipated 2023 June 2019
RESEARCH	<b>Computer Science &amp; Asteroseismology, Independent — Engineering a Web-based Interface to Predict the Unknown Physical Properties of Solar-like Stars</b> Supervised by Earl P. Bellinger, Ph.D. <ul style="list-style-type: none"><li>• Interview with Lisa Wexler at AM 1490 WGCH M-F 1040. lisawexler.com/acorda.html</li><li>• Further for deployment. Current work at GitHub. github.com/aperearojas/starithm</li></ul> <b>The Yale Summer Program in Astrophysics — Modeling the Orbit and Physical Characteristics of Near Earth-Asteroid 2002 UX</b> Supervised by Michael D. Faison, Ph.D. <ul style="list-style-type: none"><li>• Observations published at Minor Planet Center.</li></ul>	June 2017—October 2018 June 2018—August 2018
AWARDS	<b>Triple “C” Attorney Award</b> <b>Science Olympiad NY State Finals</b> , 8 <sup>th</sup> Place, Thermodynamics <b>Bedford Library Writing Contest Award</b> <b>Science Olympiad Regionals</b> , 2 <sup>nd</sup> Place, Thermodynamics <b>Science Olympiad Regionals</b> , 3 <sup>rd</sup> Place, Fermi <b>Science Olympiad Regionals</b> , 3 <sup>rd</sup> Place, Astronomy <b>National Hispanic Recognition Program</b> (College Board) <b>AP Scholar with Distinction Award</b> (College Board) <b>George Eastman Young Leaders Award</b> <b>Tri-County Science Fair</b> , 3 <sup>rd</sup> Place, Astronomy <b>Acorda Scientific Excellence Award</b> (Radio Interview) <b>Westchester Science and Engineering Fair</b> , Think STEAM Award <b>Science Olympiad Regionals</b> , 2 <sup>nd</sup> Place, Fermi <b>Science Olympiad Regionals</b> , 4 <sup>th</sup> Place, Astronomy <b>Chemistry Wall of Honors</b> <b>Somers Science Fair</b> , 2 <sup>nd</sup> Place, Earth and Planetary Sciences Published in <b>“Poetry Live”</b> (Mamaroneck, NY) <b>Science Olympiad Regionals</b> , 8 <sup>th</sup> Place, Astronomy <b>PLTW Engineering Excellence Achievement</b>	May 2019 March 2019 March 2019 February 2019 February 2019 February 2019 September 2018 July 2018 May 2018 April 2018 April 2018 March 2018 February 2018 February 2018 July 2017 June 2017 April 2017 February 2017 June 2016
SKILLS	<b>Natural Languages</b> : Spanish, Quechua (novice), English, German (self-study). <b>Computer Languages</b> : Python, Java, L <sup>A</sup> T <sub>E</sub> X, R, MySQL. <b>Web Development</b> : PHP, JavaScript, HTML, CSS.	
ACTIVITIES	<b>National Honor Society</b> (Volunteering) Co-President of <b>Puente Club</b> (Tutor ESOL students) Co-President of <b>Model Congress</b> <b>Tutoring</b> (Paid) Team A <b>Science Olympiad</b> Team A <b>Mathletes</b> Cashier at <b>McDonald’s</b> (non-continuously) Cross Country, Winter Track & Spring Track	May 2018—present Feb. 2018—present Oct. 2017—present Aug. 2017—present Sep. 2016—present Sep. 2015—present Sep. 2015—July. 2017 Sep. 2015—Mar. 2017
VOLUNTEER	<b>NHS 8th Grade Parent Night</b> <b>NHS Fox Talk on Bio-engineering</b> <b>NHS Geometry H. Tutoring</b> <b>NHS Tours of Fox Lane HS to incoming freshmen</b> <b>Endeavor Therapeutic Horsemanship</b>	Jan. 2019 Dec. 2018 Oct. 2018—present September 2018 Feb—May 2018