
ERIC REYNA

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OBJECTIVE

esreyna@cfaith.com

Excel in the designing, programming, and maintaining of computers and computer systems in order to revolutionize computer technology for future advancement

238 Royston Ave.

San Antonio, TX

78225

EDUCATION

Bachelor's of Science, Computer Engineering

December 2016

University of Texas at San Antonio

Minor, Computer Science

December 2016

University of Texas at San Antonio

ASSOCIATE'S OF SCIENCE:

**Electrical
Engineering
(Cum Laude)**

Palo Alto College
(May 2014)

Mathematics

Palo Alto College
(September 2014)

EMPLOYMENT EXPERIENCE

Peer Advisor, Palo Alto College, San Antonio, TX

August 2013 to May 2014

- Managed a variety of administrative and secretarial functions in a high-volume office
- Worked independently and as a team on multiple projects with little or no direct supervision
- Assisted in processing student enrollments and other student documentation
- Worked, coordinated, and directed STEM (Science, Technology, Engineering, and Math) related activities on and off the Palo Alto College campus

RESEARCH EXPERIENCE

2014 Transfer Academy for Tomorrow's Engineers Research Program

University of Texas San Antonio, San Antonio, TX

June 2014 to July 2014

Six-week summer research program dealing with engineering issues concerning weather and climate. Completed with a full technical report, presentation, and webcast.

HONORS:

- UTSA Engineering Student Honor Roll (2016)
- Phi Theta Kappa member
- National Honor Society of Leadership and Success Member (Sigma Alpha Pi)
- Tau Beta Honor Society
- Who's Who Among Students for 2014
- STEM Student of the Month for October 2013 at Palo Alto College

TECHNICAL QUALIFICATIONS

- Scripting languages: Perl, sed, awk
- C programming
- Java (worked with Eclipse platform)
- UNIX/Linux OS
- Verilog HDL, Assembly language
- Applications using Android Studio

PROJECTS:

- **12 Hour Clock w/ Alarm:** Programmed a 12-hour clock that could be set with an alarm for a certain time on the Nexys 4 DDR Artix-7 FPGA board
- **Twitter App:** Created a Twitter application that posted to an online micro-blogging service and created a local database for all status posts
- **GeoQuiz App:** Created a geography quiz app that contained a local database of questions that a registered user could answer to score points (with hints enabled)
- **AM Transmitter:** Inputted sound from an audio jack into the circuit to transmit it into the AM band
- **Traffic Light Sensor:** Created a traffic light from the PIC16LF1825 microcontroller
- **Bandpass Filter:** Designed a bandpass filter that met required specifications and designed PCB board layout that was soldered and tested

GPA*:

- Overall GPA: 3.43

*(out of a 4.0 scale)

LEADERSHIP EXPERIENCE

Science Extravaganza Liaison - MAES

August 2015 to May 2016

- Organizes the annual Science Extravaganza event held for high school students

Society of Future Engineers - MAES

August 2012 to May 2014

- President - Spring 2014
 - Vice President - Fall 2012 to Fall 2013
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CAREER GOALS/PLANS

Completely revolutionizing computer electronics to transform lives has been my goal since I started my studies as an undergraduate. I hope that my goal will effect a change in the way we humans interact with electronic devices. Making electronic technology to impact the world on a more personal level is the greatest feat I think computer engineers can accomplish. It is when technology allows arm amputees such as wounded soldiers to gain feeling from sensors in their prosthetic hands and when technology allows the elderly diabetic to live a normal life through a robotic pancreas that technology completes its purpose. There was once a day when the thought of hearing another's voice transmitted through what we now know as a telephone seemed unthinkable, but now, the world has seen more. The ever-evolving traits of technology has soon to birth a new generation of unthinkable electronics. My thrilling thought about this, is, I plan to be a part of it.

MEMBERSHIPS, HONORS, AND AWARDS

- Fall 2015 UTSA Honor Roll
- National Honor Society of Leadership and Success Member
- Tau Sigma National Honor Society Member
- Phi Theta Kappa Honor Society Member
- Institute of Electrical and Electronics Engineers (IEEE) Member
- MAES - Latinos in Science and Engineering Member
- 2014 TRansfer Academic Connection (TRAC) Scholar at UTSA
- STEM Student of the Month for October at Palo Alto College
- Outstanding Member of the Society of Future Engineers-MAES club at Palo Alto College (2013-2014)
- Who's Who Among Students for 2014

LEADERSHIP/EDUCATIONAL ACTIVITIES**Science Extravaganza Liaison**, May 2015 to May 2016

Elected as executive coordinator at the University of Texas at San Antonio MAES club for its yearly Science Extravaganza. (The Science Extravaganza is an event created for local high schools and STEM academies which encourages students through hands-on activities and workshops to pursue a higher education in STEM related fields.)

IEEE, February 2015 to present

Active member of the IEEE (Institute of Electrical and Electronic Engineers) club at UTSA.

Summer STEM Experience at Palo Alto College, June 2015, 2014, 2013

Coordinated and supervised engineering-related activities for Palo Alto's two-week 2013, 2014, & 2015 Summer STEM Experience Program for graduating seniors to participate in the month of June.

MAES National Symposium, October 2014

Attended the MAES Symposium in San Diego, California designed to further opportunities for future employment and to network with professionals in S.T.E.M. related fields.

Society of Future Engineers-MAES, Fall 2012 to Spring 2014

Guided the engineering club at Palo Alto College as Vice President and President into many STEM related activities and events in our campus as well as around the city.

Destination College Event at Witte Museum (promoted by the San Antonio Hispanic Chamber of Commerce), April 2014

Informed and demonstrated engineering projects to local high school students while promoting the 2014 Summer STEM Experience Program at Palo Alto College.

Speaker at Scholarship Ceremony, April 2014

Spoke to fellow scholarship recipients at Palo Alto's Scholarship Breakfast Ceremony.

Science Extravaganza, March 2014

Coordinated sessions and hands-on activities for local high schools at the annual MAES Science Extravaganza event held at San Antonio College.

Advisory Committee, January 2013 to present

Served as a student advisor for the Alamo Colleges' new application for mobile devices.

DISCOVER PAC, March 2013 & 2014

Showcased engineering department at Palo Alto College to different local high school students that attended in order to provide for them an insight into engineering.

CORE4STEM, November 2013

Engaged with middle school students and introduced to them the engineering field through demonstrations and hands-on activities.

UHCL Leadership Conference, November 2013 & 2014

Attended University of Houston-Clear Lake's Leadership Conference which provided attendees ways to become more effective leaders abroad.

NSC speaker, August 2013

Spoke to incoming freshman at the Palo Alto College New Student Convocation (NSC).

AAHHE breakfast meeting, March 2013

Attended the American Association of Hispanics in Higher Education (AAHHEE) breakfast meeting that was held in San Antonio which informed attendees of ways to further and encourage higher education for all hispanics.

VOLUNTEER ACTIVITIES

Over 70 hours, volunteering for events such as the Rock n' Roll Marathon, NCAA, etc. as a member of San Antonio Sports

Over 45 hours, volunteering for other organizations (such as the Elf Louise, Food Bank, VITA, Raul Jimenez

Thanksgiving Dinner, NOISA, and others)

Over 100 hours, Youth Leader for Jubilee Outreach

HOBBIES/SPECIAL INTERESTS

I love sports and try to stay fit by playing basketball and street football every now and then. One "sport" I am growing to love playing the most is ping-pong (I already have a table top and a few paddles). I also enjoy playing paintball every now then (I have my own paintball gun as well). When I'm not physically active, I play the violin at least twice a week on an orchestra for my church. Another interesting hobby I have is filming, editing, and making movies or shorts. I even completed some college cinematography classes although I haven't engaged in any related activities lately. When I have any extra time I involve myself in making small electronic gadgets or personal projects while trying to stay available to help my neighbors with their electronic devices if they need assistance with anything.