



Aleida Olvera

ASPIRING SOFTWARE ENGINEER & GRAPHIC DESIGNER

Profile

As a young woman Aleida Olvera's passions are queer; she has a passion for computer science and particle physics. She has experience in developing Android applications and websites, along with simple PHP forms and C++ functions. Her passion for computing has brought her opportunities to travel across the globe

and inspire others within her community. In the future Aleida Olvera hopes to address the need for women to join technical fields through a middle school targeted program called: SparkIT. She is also an avid animal and human rights activist and supports organizations such as the NCWIT, PETA, and Girls Who Code.



E Education

Academic Profile

Veterans Memorial Early College HS | 2012 - 2016
Class Rank: 23 / 596
GPA: 94.3056 / 100 (UW) 4.5 (W)
Texas Southmost College | 2013 - 2016
GPA: 3.3 / 4.0

Advanced/Dual Courses

- US History
- English Language and Composition
- World History
- Physics
- Algebra 2
- Spanish SL
- Pre-Calculus

O Organizations

Technology Student Association

National CTSO | 2012 - Present
2012 - *Sergeant-at-Arms* of chapter
2013 - Served as *Reporter* for chapter
2014 - Served as *Vice President* of chapter and *Texas State Leadership Team* member
2015 - Serving as *Texas - State Vice President*

Student Council

School Organization | 2013 - Present
2013 - Served as *Secretary*
2014 - Served as *Book Club Representative*

National Honor Society

School Organization | 2014 - Present
2014 - Member
2015 - *Historian*

H Honors & Awards

CAHSI: Summit Travel Grant

Computing Alliance for Hispanic Serving Inst. | 2015
Only high schooler to receive a travel grant to attend this summit that helps expose Latinos to other Latinos in computing.

WebValley Summer School

Awarded by Fondazione Bruno Kessler @ ISEF | 2015
Awarded 1 of 6 scholarship to attend 3-week summer research program held at the University of Trento.

Science Fair: Computer Science

Intel - Intl. Science and Engineering Fair | 2015
SmartGuard: An Emergency Alert App for Android OS
Region:
- Grand Champion Runner-Up
- Excellence in Computer Science Award
- US Naval Research Award
State:
- 3rd Place
- Intel ISEF Finalist/Attendee

Aspirations in Computing

Nat'l Center for Women in Information Tech. | 2015
National Award Recipient: 1 of 35 Winners
\$500 Scholarship
Regional Award Recipient:
\$1,000 Rackspace Scholarship

Software Development

Technology Student Association | 2015
1st in State, National Qualifier

Webmaster

Technology Student Association | 2014
2nd in Region

VEX Robotics

Technology Student Association | 2014 - 2015
2014 - Regional Champions, 5th in State
2015 - Regional Champions

Website Design Team

Business Professionals of America | 2014 - Present
1st in Region, 4th in State (National Alternate)

Texas TSA - Degrees

Technology Student Association | 2013 & 2014
Received Texan and Lone Star Degree

Video Game Design

Technology Student Association | 2014 - 2015
3rd in Region, 7th in State

History Performance

National History Day Competition | 2013
2nd in School, 5th in District

Top 5% Award

Class of 2016 | 2013 - Present
Received for being ranked in the top 5% of

Development Projects



SmartGuard: An Emergency Alert System for Android OS

aleidaolvera.github.io/SmartGuard.apk

The following Android application was created using MIT's app inventor. The application is meant for users

who need a sense of security. The application works alongside a bluetooth connected wristband to send out an emergency message to contacts with the user's location if a dangerous situation were to ever come up. If the wristband is not present the application contains other features that have the same effect.



Veterans Memorial TSA: '15

aleidaolvera.github.io/tsa15

The Technology Student Association (TSA) is a national, non-profit organization of middle and high school students who are engaged in science, technology, engineering, and mathematics (STEM). The

following website was created using HTML & CSS, as well as Javascript and JQuery to create the responsive and interactive website that was submitted to the TSA Webmaster competition. The website features a second website that works to inform others of the dangers of electronic waste.

V Volunteer

Graphic Designer

YBAK/KOT | ~100 Hours

Work to create various designs for Young Broadway Actor News/Kids on Tour.

Real Life Church

Youth Group | 72+ Hours

Garage Sale: Feb. '14

Youth Retreat Worker: Aug. '14

Voluntary Web Design

Freelance Graphic Designer | ~72 Hours

Webmaster of Vision Welding and Consultants, a business that provides quality welding inspection services.

WE Work Experience

UI/UX Design Intern

Patron | Hours: 7/Week | August - November 2015

Working to develop and design various graphics and user interfaces for Patron's artist and musician driven company.

Research Intern

Fondazione Bruno Kessler | Hours: 120+ | July 2015

Worked with Django backend to develop the frontend of a web application to be used by FBK for physiological data analysis.

Cannon: Logo Design

AppR: Cannon Application | Hours: 40+ | June 2015

Created logo along with mobile user interface that is to be used for branding and the future iOS application, respectively.

P Programs Attended

WebValley Summer School

Fondazione Bruno Kessler | University of Trenton | '15

The aim of WebValley is to aid students in designing a novel web platform for Data Analytics of Wearable Sensors for Research.

Subiendo: Academy for Rising Leaders

McCombs School of Business | UT: Austin | '15

Subiendo was created to prepare tomorrow's leaders. By hearing from speakers and participating in communications workshops, learning networking skills, and mentorship with community and business leaders.

Governor's Science and Technology Champions Academy

Aggie Academy for STEM Champions | TX A&M | '15

The STEM Champions camp, a partnership of the Texas Workforce Commission and Texas A&M University, invites winners of the Texas Science and Engineering Fair to experience college first hand.

Astronomy Ambassadors Academy

CARA Program | UT: Brownsville | '14

The University of Texas at Brownsville Astronomy Ambassadors program gives students hands-on experience in fields of physics and astronomy.

State Leadership Conference

TSA | Texas Lions Camp | '12 - '15

Set on campgrounds of Kerrville, Texas, the Fall Leadership Conference strives to aid students in building their legacy through engaging, student-led breakout sessions.

S Skills

Professional



Software



N Network

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