

# Maribel Cardiel

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## Education

**Stanford University**, Palo Alto, CA Expected Graduated: December 2020

**B.S. Computer Science** with concentration in Computer Engineering | GPA 3.2

- Courses in programming methodology in Java, programming abstraction in C++, computer organizations and systems in C, mathematical foundations in computing in C++, and principles of computer systems in C++

**South Valley Academy High School**, Albuquerque, NM | GPA 4.3/4.0

Graduated 2016

### **Awards and Recognitions**

- Gates Millennium Scholar (2016)
- Leland Scholars Program (2016)
- Leadership Enterprise for a Diverse America Scholar and Fellow (2015&2017)
- Grace Hopper Celebration Scholar (2019)

## Experience

**Northrop Grumman**, Azusa, CA

June 2019-August 2019

*Technical Intern*

- Characterized solar conditions on missile detection satellite images
- Modeled missile detection image processing in Matlab for unclassified presentations and marketing

**Lawrence Livermore National Laboratory**, Livermore, CA

June 2018-August 2018

*Computation Intern*

- Built and configured High Performance Computing Clusters for the use of complex calculations, data storage and graphical user interfaces in Linux
- Developed python scripts that manage the power modes of virtual machines as part of a larger software program called Livmomi, modeled after Pyvmomi

**El Centro Chicano y Latino**, Palo Alto, CA

October 2016 – June 2018

*Frosh Liaison; Marketing Coordinator*

- Coordinated 20 yearly events that aim to increase Latinx issue awareness for Stanford students, staff, and faculty
- Designed and distributed fliers, programs, brochures in Photoshop for events, and services for the Stanford Latinx community

**Inclusion Internship**, New York, NY

June 2017 – August 2017

*Assistant Director*

- Coordinated trips and events to 10+ tech companies in NYC for course 30+ participants
- Marketed the non-profit and obtain \$180K in sponsorship money for upcoming classes

**University of New Mexico – Computer Science Learning Experience**, Albuquerque, NM

*Research Intern – Dr. Forrest Lab*

May 2016 - July 2016

- Created a script in python that recognized reverts in repositories and returned the lifespan of the commit before it was reverted

**Bosque Ecosystem Monitoring Program**, Valle de Oro, Albuquerque, NM

February 2013 – May 2016

*President/Founding Member*

- Programmed Galileo board in Arduino to collect and record temperature, humidity, wind speed, and wind direction for wild life refuge analytics

## Extracurricular Activities & Interests

### **Human Engineers**

- Fabricating prosthesis for underserved hospital patients in the Philippines

**Hermanos de Stanford**, *Vice President*

- Mentoring under resourced Latinx community in Palo Alto
- Fundraising for a scholarship awarded to undocumented high school graduates ranging \$500-\$1000

### **Robotics**

- Competed in the NM MESA(2015 & 2016) and Robo Rave International(2016) robotics competitions
- Placed in the top 10 out of 120 teams for the creation of a prosthetic, robotic arm in MESA
- Built a ball launching robot that sensed and adjusted itself based on the location of the target

**Salseros de Stanford**, *Director*

- Participate in learning salsa choreography and performing internationally
- Choreographed and taught performance pieces for a competitive team

**Resident Computer Consultant**, *Team Lead*

- Problem solve student's technical issues in the dorm and organize trainings for other consultants