## Education

**University of California, Berkeley** Berkeley, CA

*Electrical Engineering and Computer Science (EECS) Major* June 2016

**El Segundo High School** El Segundo, CA

*Graduating in June of 2012* June 2012

* GPA: 4.63

## Experience

**Northrop Grumman Corporation** El Segundo, CA

*Software Engineering HIP Intern* February 2012 – June 2012

Worked with Software Engineering team on mission control software

* Analyzed Delaunay Triangulation program for corner cases
* Developed proficiency in C++ and MATLAB
* Participating in the Airplane Design and Remote Control Demo course

**Mattel Corporation** El Segundo, CA

*Global Information Technology Intern* November 2011 – January 2012

* Implemented PrePlan Database and user interface
* Designed Electronic Project Management Plus logo

## Other Activities

**FIRST Robotics Team 1759** El Segundo High School

*Co-President* April2011 – April 2012

Directed team operations through the 2012 FRC robotics competition season.

* Led Swerve Drive mobility system development initiative
* Finalized CAD models for machining
* Developed 2012 financial plan and build schedule
* Redefined team roles and command structure

*Lead Programmer* September 2009 – June 2012

Developed real time robot control software on the Compact RIO platform.

* Developed team LabVIEW proficiency
* Perfected robot target tracking and image processing algorithms
* Integrated sensor data and actuation in PID motion control
* Transferred excess robot processing tasks from cRIO to a remote workstation
* Instructed new programmers for the 2013 team

## Additional information

* Programming Languages: Java, LabVIEW, Visual Basic, Javascript, HTML5, Python
* Other Software Proficiencies: vim, GIMP, Autodesk Inventor (CAD), Adobe Dreamweaver, Bootstrap
* Languages: English, Spanish, Spoken Cantonese
* Interests: Robots, StarCraft II, Recreational Mathematics