

## **AD Student's Academic Profile / Achievement List**

### **11<sup>th</sup> Grade Courses:**

English 11 Honors  
AP US History  
AP Chemistry  
AP Physics  
AP Statistics  
Spanish 4 Honors  
Fall Sport - Cross Country

**GPA:** 4.0 unweighted; 4.73 weighted.

**SAT:** 1590/1600, 24/24 Essay

**SAT II:** Math 800

**AP:** Chinese (5), Computer Science (5/**Perfect score**), Calculus BC (5), Music Theory (5), European History (4)

### **Math:**

USAJMO Qualifier: 9<sup>th</sup> and 10<sup>th</sup> grade  
AIME Qualifier: 6<sup>th</sup> through 10<sup>th</sup> grades  
AMC 10: 145.5 in 10<sup>th</sup> grade  
4<sup>th</sup> place individual in MathCounts State Round 2013; 2<sup>nd</sup> place team in 2014  
1st Place in 2015 SCVMA / Santa Clara Math Field Day

### **Science:**

USAPhO Semifinalist: 10th grade  
USACO Silver  
TEAMS: National Qualifier: 9<sup>th</sup> and 10<sup>th</sup> grade  
Captain of SHS TEAMS squad: 10th & 11<sup>th</sup> grade  
Science Bowl: 4th place in 2016 SLAC Regional Science Bowl

### **Humanities:**

**Scholastic Art and Writing Awards:** Gold Key (10<sup>th</sup>), Silver Key (9<sup>th</sup>)  
**California Certificate of Merit Piano:** Advanced Level since 9<sup>th</sup> grade  
**Speech and Debate:** 1st Place in Extemporaneous Speech at SCU Open

### **Summer Camp and Research**

**Ross Mathematics Program, summer 2015:** six week program at Ohio State University on number theory

**SSTP at UIowa, summer 2016:** 5.5 week science research program at the University of Iowa. Conducted research on nanofabrication using advanced single electron-beam lithography for next generation semiconductor etching profiling. Best Presentation Award

**Current Research:** working on research using Neural Network approaches for System Level Performance Tuning based on large scale network and storage system

**Clubs and Volunteers:**

**School Clubs:** Math Club; Captain of JETS (TEAMS); Science Bowl Core Team; Speech & Debates

**Volunteers:** coaching at local middle school Math Club (twice weekly); teach seniors at local Senior Center to learn computer skills (weeks during summer)

**Physics Educational Initiative:** expanding reaches of physics education at local community where their school doesn't have proper resource for kids to learn.(2 hours weekly)