

# Ravi Riley

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## CRESCENTA VALLEY HIGH SCHOOL

GPA: 4.3 | SAT: 1490 (99th percentile) | La Crescenta, CA | 2016 - 2020

### EXTRACURRICULARS

- Founder and President of Ping Pong Club
- Founder and President of Political Pizza Club
- President of Future Business Leaders of America (FBLA)
- Vice President of Math Competition Club
- CAD Leader of FRC Team 589 Robotics
- CV Enterprises Leader and Founding Member
- Glendale Environmental Coalition Youth
- Link Crew Leader
- Member of: Chinese Culture Club, Rubik's Cube Club

### ATHLETICS

- Varsity Cross Country  
16:48 3 mile
- Varsity Track  
2:04 800m  
4:57 mile
- JV Volleyball

## EXPERIENCE

### INTOOLOVATION, INC. | PROTOTYPING ENGINEER & WEB DEVELOPER

June 2018 – Present

[intoolovation.com](http://intoolovation.com)

- Turning conceptual ideas into real products with Computer Aided Design software
- Using 3D printing to prototype patented inventions
- Design, development, maintenance, and content creation for [intoolovation.com](http://intoolovation.com) for the sale of Intoolovation's products

### FREELANCE 3D PRINTING & CAD | 3D PRINTING AND DESIGN SPECIALIST

July 2016 – Present

[@dimensionsprinting](https://twitter.com/dimensionsprinting)

- Founder of an on-demand 3D printing and CAD/3D modeling/design business
- Sale of products I design and fabricate
- Designing custom products tailored to customers' needs
- 500+ orders

### FRC 589 ROBOTICS | DESIGN TEAM AND CAD TEAM LEADER

January 2016 – Present

[cvrobots.com](http://cvrobots.com)

- Led the design process from initial conceptualization to producing detailed CAD
- Created fabrication drawings, renders, and CAD of 3 different robots
- Worked on prototyping, design, CAD, systems integration, testing, and electronics subsystems
- Helped the team win the Engineering Inspiration Award and the Chairman's Award

### CV ENTERPRISES | WEB & SOFTWARE DEVELOPER, SYSADMIN, COMMS. MANAGER

June 2018 – Present

[cventerprises.org](http://cventerprises.org)

- Helped to found a software freelancing company at Crescenta Valley High School
- Worked on a software development class curriculum that was approved as an honors course by the board of education, growing the team to over 35 members
- Manage team communications with Slack, GitHub, and Trello, & teach GitHub, Git, Java, etc. to students
- Lead developer and maintainer of company website and private server system administrator

## SKILLS

### PROGRAMMING

### LANGUAGES

### TECH SUPPORT

### 3D PRINTING HARDWARE

### 3D PRINTING SOFTWARE

### COMPUTER AIDED DESIGN

### INTERPERSONAL

Java, Python, HTML, CSS, Javascript, Ruby, C#, Bash scripting, UNIX terminal  
English, Chinese (Mandarin)

Troubleshooting, config., repair of computer/office/network hardware & software  
Construction, maintenance, and operation of any FDM 3D printer

Simplify 3D, Cura, Meshmixer, Netfabb

Autodesk (Inventor, Fusion 360, 123D), OpenSCAD, SketchUp

Leadership, Public Speaking, Presentation, Teamwork, Communication

## AWARDS

### **GLOBAL YOUTH CHINESE LANGUAGE CHALLENGE 1<sup>ST</sup> PLACE ESSAY COMPETITION | MAY 2016**

I won the competition with my essay against teenagers up to 18 and both native and non-native Mandarin speakers.

### **COMPUTER PROBLEM SOLVING TOP 10 FINALIST FUTURE BUSINESS LEADERS OF AMERICA (FBLA) | FEBRUARY 2019**

Recognized for achievement on an assessment of computer problem solving ability

### **AP CAPSTONE DIPLOMA**

Awarded to students who pass the AP Capstone Seminar and Research exams along with at least 4 other AP exams.

### **AP SCHOLAR WITH DISTINCTION MAY 2019**

Awarded to students who average a minimum of 3.5 on all their AP exams and score 3 or more on at least five of them.

### **SCHOLAR ATHLETE VARSITY CROSS COUNTRY, TRACK, AND VOLLEYBALL | 2016, 2017, 2018, 2019**

Recognized for maintaining a 3.5 or higher GPA while participating in a sport; received six times total in Cross Country, Track, and Volleyball, and received the Highest GPA Award twice.