

Ravi Riley

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EDUCATION

CRESCENTA VALLEY HIGH SCHOOL

La Crescenta, CA | 2016 - 2020

EXPERIENCE

INTOOLOVATION, INC. | PROTOTYPING ENGINEER AND WEB DEVELOPER

June 2018 – Present

- 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 for the sale of Intoolovation's products

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

July 2016 – Present

- 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 | TEAM MEMBER, CAD AND DESIGN TEAM LEADER

January 2016 – Present

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

CV ENTERPRISES

June 2018 – Present

- Teach AP Computer Science students topics in Java
- Manage team communications with Slack

SKILLS

PROGRAMMING LANGUAGES
LANGUAGES

Java, Python, HTML, CSS, Javascript, Ruby, C#
English, Chinese (Mandarin)

3D PRINTING HARDWARE

Construction, maintenance, and operation of any FDM 3D printer

3D PRINTING SOFTWARE

Simplify 3D, Cura, Meshmixer, Netfabb

COMPUTER AIDED DESIGN

Autodesk (Inventor, Fusion 360), OpenSCAD, SketchUp

PROJECTS

CRESCENTA VALLEY TRIVIA RALLY | UNITY, C#

Developed an Android game hosted on the Play store (dozens of downloads) that quizzes students on CVHS trivia.

INTOOLOVATION WEBSITE | HTML, CSS, LIQUID, SHOPIFY

intoolovation.com

Built an e-commerce website for the sale of Intoolovation's products

AWARDS

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

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