

Ravi Riley

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EDUCATION

CRESCENTA VALLEY HIGH SCHOOL

La Crescenta, CA | 2016 - 2020

EXPERIENCE

INTOOLOVATION | 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, management, and content creation for intoolovation.com for the sale of Intoolovation's products

FREELANCE 3D PRINTING & CAD | 3D PRINTING & DESIGN SPECIALIST (200+ Orders) | July 2016 – Present

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

FRC 589 ROBOTICS | TEAM MEMBER, CAD AND DESIGN TEAM LEADER

January 2016 – Present

- Leader of a group of fellow high school students in designing a robot from the ground up in 6 weeks
- Created fabrication drawings, renders, and CAD of 3 different robots
- Worked on prototyping, design, testing, systems integration, and electronics subsystems

SKILLS

PROGRAMMING LANGUAGES
LANGUAGES

Java, Python, HTML, CSS, Javascript, Ruby
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, 123D, etc.), OpenSCAD, SketchUp

PROJECTS

3D VISUALIZATION OF DEMOGRAPHIC DATA

Software that uses demographic data to generate a 3-dimensional map

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