

JASON K. JEWIK

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EDUCATION AND TEST SCORES

High School Diploma, General Education and College Prep ▫ Whitney High School ▫ Cerritos, CA ▫ 6/2019 (expected)
Cert. of Achievement, Computer Programming Logic & Design ▫ Cerritos College ▫ Cerritos, CA ▫ 8/2017
STEM Classes ▫ AP Statistics, AP Chemistry, Honors Physics, Math Analysis (Precalculus/Calculus A), Honors Biology
GPA ▫ 3.97 (unweighted) **SAT** ▫ 1580/1600 **PSAT** ▫ 1490/1520

ENGINEERING AND WORK EXPERIENCE

Programmer ▫ **FIRST Tech Challenge Robotics Team, WHS** ▫ **2016 - Present**

Helped design and program the robot's autonomous code
Cataloged the team's entire GitHub repository for the 2017-18 season
Advanced to Super Regional West (2017), Regional (2018)

Researcher, Team Captain ▫ **FIRST Lego League Robotics Team, WHS** ▫ **2014 - 2016**

Advanced to SoCal Regional Competition (2015, 2016)
Submitted project proposal of engineered solutions to improve student engagement and reduce pollution

Coordinator & Instructor ▫ **Summer Robotics Camp, WHS Robotics** ▫ **2015, 2016, 2018**

Managed finances and camp logistics
Designed t-shirts and promotional brochures
Instructed students in robotics basics, including: building Lego robots and programming with Lego Mindstorms software

Video Game Programmer ▫ **Digital Media Club, WHS** ▫ **2016-2018**

Programmed three video games: one is a zombie survival action game, another is a procedural-map-generation proof-of-concept, and the last is still in development (projected release of summer 2018)

Assistant Lead Level Designer ▫ **Prof. Scott Easley, USC Dept. of CS/Easley-Dunn Productions** ▫ **Summer 2017**

Designed and created levels for a tower-defense game built in Unity

Data Science Student Intern ▫ **Dr. Yolanda Gil, USC Dept. of CS/Information Sciences Institute** ▫ **Summer 2016**

Used JavaScript to write visualization software for a Python-based data workflow system

Web Content Support Specialist ▫ **Siblinks** ▫ **2017**

Populated content of a startup social and education website that connected high school and college students

Social Media Manager and Graphic Designer ▫ **IDLogiq** ▫ **2017**

Created and designed web graphics for various social media accounts

ENGINEERING AWARDS AND OTHER HONORS

Dean's List National Semi-Finalist ▫ **FIRST Tech Challenge** ▫ **2017, 2018**

Recognized for outstanding leadership, passion for STEM, and dedication to FIRST Robotics

President's Volunteer Service Award ▫ **Corporation for National and Community Service** ▫ **2015**

Recognized for community service through robotics

FTC Awards ▫ **FIRST Tech Challenge** ▫ **2016 - 2018**

Inspire Award for being the best overall robotics team in the L.A. Region
Promote Award for creating a one-minute Adobe Flash animation celebrating STEM ideals and FIRST Robotics
Think Award for best Engineering Notebook in the L.A. Region
PTC Design Award for best designed robot in the L.A. Region
Connect Award for excellence in promoting STEM and robotics in the local community
Winning Alliance and Division Finalist in the L.A. and West Coast Regions, respectively

FLL Awards ▫ **FIRST Lego League** ▫ **2014 - 2016**

Core Values Award for best teamwork and gracious professionalism in the L.A. Region
Mechanical Design Award for most durable, efficient, and highly capable robot in the L.A. Region

TEDx Speaker ▫ **Whitney High School** ▫ **2016, 2017**

Spoke about the future of artificial intelligence, and whether a sentient AI would deserve human rights (2016)
Spoke about the applications of video games in improving 21st century education

2nd Place Regional Winner ▫ **National Science Bowl** ▫ **2015**

Captain of Middle School National Science Bowl team

OTHER LEADERSHIP EXPERIENCE

Founding President and Video Game Director **Club Treasurer**

▫ Digital Media Club, WHS ▫ 2017–Present
▫ Robotics, WHS ▫ 2016–Present

SKILLS

Robotics

▫ NXT-G, EV3, Android Studio

Programming

▫ Java, C++, JavaScript, GMS, HTML/CSS, Python, Git, VBA

Administrative

▫ Public Speaking, Database Organization, Budget Management, Grant Application

Languages

▫ Mandarin, Spanish

Other

▫ Piano Composition, Violin Orchestra, Animation, Video/Photo Editing, Creative Writing, Tennis