

Jessica Claire

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SUMMARY

[Area of study] student with background in [Area of expertise]. Strong technical proficiency with work history in [Area of expertise]. In-depth knowledge of [Software] coupled with [Task] and [Task] abilities. Proven history of [Skill] and [Skill].

EDUCATION

High School Diploma 06/2022
Westview High School, San Diego, CA

- 4.46/4.0 GPA
- AP Coursework in Chemistry, Biology, Computer Science, Calculus AB/BC, Physics C Mechanics / Electricity & Magnetism, and Psychology

RELATED EXPERIENCE

ROBOTICS TEAM #3341, TEAM LEADER 11/2020 to CURRENT
Super Soccer Stars, Amazing Athletes, Jumpbunch & Tga

- Formulated robot building strategy for the hardware and software team members while launching outreach plans to accomplish a set of challenges per the FRC requirements
- Develop a business model using AI technology to promote physical fitness and mental health for the FIRST Global Innovation Challenge project
- Facilitated STEAM workshops, developed robotics curriculum, and mentored students from 27 schools and 35 Girl Scout troops

COACH 11/2020 to CURRENT
Eclinicalworks

- Creating weekly lesson plans on molecular and cell biology topics
- Orchestrated team to win fourth place at Regional Science Olympiad in 2021

DIRECTOR OF TECHNOLOGY 06/2020 to CURRENT
Catalyst For Success

- Established online learning platform with live videos and graphical explanations to provide free, interactive, and easily accessible resource for STEM learning during COVID-19
- Organized and demonstrated dozens of hands-on science experiments for hundreds of students in elementary schools, local libraries, science expos, and museums to inspire interest in STEM
- Collaborated with low-income elementary schools to provide free science enrichment programs

THE CLUELESS TEAM #11212, CAPTAIN 08/2018 to 05/2020
FIRST Tech Challenge

- Developed software, managed outreach, and raised funds for competitions
- Led software team to automate robots using machine learning algorithms. Designed and developed algorithms to control the robot; utilized GitHub to manage software
- Organized “Shields Against COVID-19” and raised \$11,000 from Mar 2020 to May 2020; delivered 3000 face shields for essential workers to 70+ hospitals and clinics in the U.S. and Mexico

SHADOW STUDENT 06/2019 to 08/2019
Queen Mary Hospital | City, STATE

- Shadowed pathologists for 80+ hours in performing surgical cut-up, diagnosing patient abnormalities, performing H&E, immunofluorescence, and immunohistochemistry staining
- Analyzed specimens to determine cancer type and staging; targeted therapy potentiality; ran fluorescence in situ hybridization, PCR, gel electrophoresis, and DNA sequencing
- Cytologically prepared and screened Gynae, non-Gynae, and FNA specimens; conducted scanning and transmission microscopy to detect abnormalities in renal tissues, muscles and nerve bundles

LANGUAGE COMPETENCIES AND SKILLS

- | | |
|------------------------------------|-----------------|
| • Chinese (Mandarin and Cantonese) | • C Shell |
| • Java | • Vuforia |
| • Python | • OpenCV |
| • MATLAB | • Tensorflow |
| • Android Studio | • WiFi |
| • Firebase Server | • Bluetooth IoT |
| • GitHub | |

ACCOMPLISHMENTS

WanderGuardian 2020 – 21

- Finalist of National Junior Science and Humanities Symposia
- Congressional App Challenge Winner
- Microsoft Imagine Cup Junior AI for Good Challenge Winner

First Tech Challenge

- FIRST World Championship at Houston
- Winning Alliance Captain Award at the FTC Arizona State Championship
- Inspire Award and Winning Alliance Captain Award at FTC Regional Competition

Academic Competitions

- 1st place in Protein Modeling
- 2nd place in Circuit Lab
- 3rd place in Disease Detectives at Regional Science Olympiad Competition
- Semifinalist (top 10% nationwide) USA Biolympiad