

ALYSHA CURTIS

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OBJECTIVE

Seeking an engineering water resources internship that focuses on design and implementation.

EDUCATION



COLLEGE OF THE SEQUOIAS – Civil Engineering & Geology



Expected Graduation: May 2021

Honors: Alpha Gamma Sigma

Associations: The Artistic Company (Co-President 2018-2019); Science Engineering Technology Association (Secretary); Students Integrating Numerical Education (President 2019-2020); Society of Hispanic Professional Engineers (Vice President 2019-2020, Secretary)

SKILLS

Audacity, AutoCAD 2020, ArcGIS, C++ Programming, Civil 3D 2020, LaTeX, SolidWorks 2018, QLab, Chemistry/Biology/Physics/Geology and Materials Science and Engineering lab experiments and techniques, MATLAB, Microsoft Office Suite, Trimble survey equipment, WaterGraph, Waterright, WPM Average: 120.



EXPERIENCE

USDA - Natural Resources Conservation Service, Visalia, CA

June 2019 – Present

Engineering Intern

- Complete surveys through Trimble equipment to export with ArcGIS and create surfaces in AutoCad.
- Perform and report inspections made during a site visit.
- Applied NRCS values, standards, and practices throughout communication and contracts with producers.
- Design, calculate, and check irrigation systems and silage slabs according to NRCS regulations.
- Compile IWM results through WaterGraph and Waterright and present to producers.

Mathematics Engineering and Science Achievement Center, Visalia, CA

Fall 2019

Academic Tutor

- Tutored other STEM students in subjects surrounding chemistry, engineering, math, physics, and programming.
- Maintained a clean and quiet work environment for students to study.

Go Baby Go, Visalia, CA

October 2018 – December 2019

Lead Designer

- Work with a team of three members to design and construct a toy car for a child with a special needs (Cerebral Palsy).
- Create a safe and enjoyable environment for the child during movement.
- Program and wire the linear actuator to the core system to communicate between the master controller and the car.
- Design and create prototypes, test materials, and functioning safety parts.

College of the Sequoias Performing Arts, Visalia, CA

March 2017 – Present

Season Production Manager

- Observe and complete reports on all company rehearsals. Distribute reports to multi-disciplinary production team members. Keep daily records of props.
- Keep track of attendees under supervision of director. Communicate with cast members regarding excused and unexcused absences and tardies.
- Coordinate and mentor all other stage managers within the performing arts program.

COMMUNITY INVOLVEMENT

NASA Community College Aerospace Scholars, Ames Research Center/Online

October 2019 – July 2020

NCAS Student

- Successfully completed NASA courses and projects earning a NASA Ames Space Center onsite experience.
- Researched and worked in a team developing a theoretical mission to the Moon under the mentorship of NASA engineers, scientists, and programmers.

