

CHARLOTTE HARROP

CIVIL ENGINEERING STUDENT

MAIN OBJECTIVE

Civil Engineering student, soon to graduate, in search of an entry-level position. Looking for full-time employment in Southern California.

SKILLS

- AutoCAD
- AutoCAD Civil 3D
- MicroStation
- InRoads
- SAP2000
- MatLab
- MS Office; Project
- Excel

WORK EXPERIENCE

STUDENT ENGINEER

CALFIRE Southern Region | 2018 - PRESENT

- Assist the Civil Engineer with any general civil projects.
- Prepare and edit site maps and detail drawings using AutoCAD.
- Produce submittal plans for projects using AutoCAD, California Building Codes, and other relevant codes.

FITNESS INSTRUCTOR

Campus Recreation, BRIC, CPP | 2018 - PRESENT

IM=X Pilates and Fitness, Yorba Linda | 2018 - PRESENT

- Barre Above and IM=X Pilates Certified Instructor.
- Instruct up to twenty five students eleven classes a week.
- Develop different work out routines for each class.
- Motivate students/clients to continue their fitness journey.
- Communicate clear instructions.

CONTACT DETAILS

Cell: 818-220-1928

ceharrop@cpp.edu

131 South Reese Place, Burbank, CA, 91506

ACADEMIC BACKGROUND

CALIFORNIA STATE POLYTECHNIC UNIVERSITY,
POMONA

Bachelor of Science, Civil Engineering | May 2019
EIT | July 2019

PROJECTS

PROJECT MANAGER

Structural Design Laboratory | 2018

- As Project Manager I delegated the work for the group of four and utilized the team's strengths to complete the project.
- Tasked to design and analyze a five-story building with two materials, steel and concrete. Conducted all calculations needed including wind and seismic.

OVERPASS DESIGN TEAM, WEBSITE DESIGNER

Senior Project, I-15 Wildlife Crossing | 2018 - 2019

- Goal of the project is to provide a safe crossing for all wildlife, including the California Mountain Lion, along the Interstate 15 in Temecula, CA. Develop a system of engineered crossings: underpass, overpass, and culvert, to aid in the reduction of vehicle collisions and genetic disconnectedness in the region.
- Part of the Overpass Team due to my interest in structures and bridge design. Developing a second alternative based on the modular Hpar-Nature design of a Wildlife Crossing.
- Elected myself to create the projects website to obtain knowledge on how to develop an effective website.

<https://i15wildlifecrossing.wixsite.com/calpolypomona>

CORE COMPETENCIES

- Writing Skills
- Empowers Others
- Decision Making
- Innovative Thinking

REFERENCES

References provided on request.

MATT MCCLEOD, P.E.

Civil Engineer | CALFIRE Southern Region

XUDONG JIA, PH.D., P.E.

Civil Engineering Department Chair | CPP