

Iraseth Cruz

irasethcruz1234@gmail.com | (818) 277-5601 | [linkedin/in/i8cruz](https://www.linkedin.com/in/i8cruz)

OBJECTIVE

A senior in structural engineering that is seeking a full-time or part-time internship in either construction management or in design to put my knowledge gained in engineering classes to use. Learns new procedures quickly and is determined to accomplish tasks and works effectively in a team environment.

EDUCATION

University of California San Diego, La Jolla

Anticipated June 2021

- Bachelor of Science in Structural Engineering focusing on Civil Engineering, **GPA 3.4**

RELEVANT EXPERIENCE

Construction Lead, Concrete Canoe, UCSD

09/2020-Present

- Researched the performance of materials that will strengthen the efficiency of an improved version of next year's canoe
- Communicated innovative ideas such as choosing the mold and reinforcement systems of the canoe to optimize its structural performance to a team of 25 members
- Wrote a technical paper that thoroughly explains the properties and the behavior of the chosen materials for the canoe which will be archived for historical performance
- Competed in the National Concrete Canoe Competition where the canoe is evaluated by the American Society of Civil Engineers based on their prescribed rules

Research Assistant, Structural Engineering, UCSD

10/2019-06/2020

- Investigated the behavior of post-tensioned concrete columns in lateral motion as a research assistant in a professor's lab to enhance engineering knowledge
- Designed and tested modeled columns to determine its impact under lateral motion and evaluated the results to improve the performance of the models
- Modified the modeled structure by re-designing it to extend its time of overturn when induced to motion
- Presented the collected data in a poster to the professor and postdocs to demonstrate the knowledge gained from researching

SKILLS

- Spoken Languages: English, Spanish
- Programming Language: Java (Beginner)
- Word Docs, Excel, PowerPoint, Outlook, AutoCAD, RISA, Abaqus

Coursework

- Statics, Dynamics, Structural Analysis A/B, Vibrations, Steel Design, Timber Design, Nondestructive Evaluation, Design of Reinforced Concrete, Geotechnical Engineering, Foundations Engineering

UC SAN DIEGO MEMBERSHIP & ACTIVITIES

- Seismic Design Team 9/2019-Present
- Society of Women Engineers (SWE) 9/2019-Present

