

Iraseth Cruz

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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



just a small comment - you can probably get rid of "full-time or part-time" to keep things concise

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

one last thing - remove the blank page below before sending to employers.

