

MELL HARRY MONZON CHALCO

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EDUCATION

University of California, Los Angeles (UCLA), Los Angeles, CA | MS in Structural Engineering Expected, June, 2025
Current GPA: 3.90

Universidad Nacional de San Antonio Abad del Cusco, Cusco, Peru | Professional Degree in Civil Engineering 2019
Thesis Score: 18/20 (Excellence)

Universidad Nacional de San Antonio Abad del Cusco, Cusco, Peru | BS in Civil Engineering 2018
GPA: 14.02/20 (Top third)

PROFESSIONAL EXPERIENCE

Freelance Peru

Structural Designer 01/2019 - 09/2024

- Designed 15+ projects, including hospitals, schools, markets, residential buildings, steel structures, and more
- Conducted structural calculations and streamlined workflows through coding, increasing plan production by 20%

COSAPI S.A.- Chinalco Copper Mine Peru

BIM Coordinator 10/2023 - 05/2024

- Developed and managed the BIM Execution Plan (BEP) for construction and commissioning phases
- Directed the production of 40+ models of earthworks, civil works, piping, steel structures, and mechanical equipment

Selva Ingenieria Consortium Peru

BIM Specialist 05/2022 - 05/2023

- Monitored a hospital construction, including 5-story buildings, isolators, steel structures, and more
- Implemented Virtual Design and Construction (VDC) practices, preventing over 26 critical construction errors per month

Rovella Inmac Consortium Peru

BIM Specialist 06/2022 - 04/2023

- Collaborated on design and construction of river defenses, including bridges, containment dams, canals, and more
- Coordinated 10+ teams of subcontractors and supervisors to develop plans and models throughout design and construction

Comin Ochoa - Las Bambas Copper Mine Peru

Field Supervisor 11/2020 - 04/2022

- Led a team responsible for assembling industrial warehouses and constructing pumping stations
- Secured two contract scope extensions worth USD 1.5 million from a mine operating company

San Jeronimo District Municipality Peru

Deputy Resident 01/2020 - 07/2020

- Supervised the execution of a sports hall, including an industrial steel warehouse and retaining walls
- Introduced the Last Planner System, increasing daily production rates by 18%

SKILLS AND PROFESSIONAL TRAINING

Software: Etabs, Revit, AutoCAD, Power BI, SAP2000, RAM, Navisworks, Tekla, RISA3-D, StructurePoint

Programming: Python, VBA, Matlab, C#, Java

Soft skills: Teamwork, Hard-working, Communication, Critical Thinking, Time Management and Resilience

Extension Courses: Welding Inspector, Data Science, Machine Learning, Anchorage Design, BIM, Agile, Lean Construction

AWARDS

National Program of Scholarships and Educational Credit (Pronabec) Peru

Recipient 09/2024 - Present

- Awarded a prestigious, comprehensive Peruvian government scholarship for graduate studies

MEMBERSHIPS

Project Management Institute

Project Management Professional, PMP® 05/2022 – Present

- Earned certification through a challenging exam and experience evaluation

VOLUNTEERING

Social Program "Tambo De Luz" Peru

Volunteer Coordinator 03/2018 - 12/2020

- Collaborated on a care and training center dedicated to enhancing the well-being of more than 30 families facing social risk