

Renzo Gallegos

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EDUCATION

Universidad Continental, Graduate School	Lima, Peru
Master in Data Science (in progress)	Aug 2025 – Aug 2027
CIBERTEC	Lima, Peru
B.S. in Data Science & Artificial Intelligence Engineering (in progress)	Jan 2026 – Jan 2029
Harvard Business School Online	Remote
ManageMentor: General Management & Strategy	2022
Universidad Católica San Pablo	Arequipa, Peru
BASc in Computer Science	Aug 2017 – Aug 2020
Universidad Nacional de San Agustín de Arequipa	Arequipa, Peru
BASc in Mining Engineering	Mar 2015 – Dec 2019
Professional Specialization in Mining & Industrial Safety	Mar 2017 – Oct 2017

EXPERIENCE

Southern Peru Copper Corporation (Grupo México)	Toquepala, Tacna, Peru
<i>Integrated Operations Center Supervisor</i>	May 2026 – Present
- Lead industrial data governance across the entire value chain (mine, concentrator plant, tailings, water, energy, and costs), defining naming and metadata standards. - Designed the PI Asset Framework (PI AF) structure for the full value chain and integrated PI System with PostgreSQL, consolidating operational data with quality and traceability controls. - Developed and deployed machine learning models to production (Python, Scikit-learn, Jupyter, Docker), including model monitoring and retraining strategies. - Built KPI dashboards in PI Vision and an in-house analytics web portal with FastAPI, integrating PI SDK and PI Web API. - Applied root cause analysis to value losses (e.g., tonnage losses) to control process variability and cost, defining corrective actions with process owners. - Standardized inter- and intra-process KPIs through decision flow diagrams and RACI matrices, and facilitated Constraints Analysis workshops with mine management.	
Grupo UNACEM	Lima, Peru
<i>Technology Business Analyst</i>	Jan 2026 – May 2026
- Led planning and control of the technology transformation portfolio for non-metal mining (limestone) business units in 5+ countries, aligned with the corporate digital strategy. - Developed Global Business Services (GBS) demand and operating models for the mining group, defining management KPIs, SLAs, and capacity assessments. - Directed quarterly PI Planning (SAFe) to prioritize core value chain initiatives, enabling roadmap decisions and cross-team alignment. - Standardized workflows for classifying, prioritizing, and evaluating strategic initiatives, enabling traceable and comparable portfolio management across operations.	
Minera Las Bambas (MMG)	Apurímac, Peru
<i>Digital Mining Transformation Supervisor</i>	Oct 2025 – Jan 2026
- Delivered direct reports to the MMG CEO identifying digital innovation and AI/ML opportunities aligned with China Minmetals Corporation strategy. - Managed on-premise and cloud infrastructure projects (Azure and Huawei Cloud), assessing server availability, scalability, and capacity. - Served as a strategic partner to senior leadership and the IROC, implementing technology and analytics solutions across the value chain.	
<i>Digital Mining Transformation Analyst</i>	Apr 2023 – Oct 2025
- Managed Mine-to-Mill OT optimization projects, delivering pre-feasibility and feasibility studies covering technologies, budgets, schedules, and terms of reference. - Evaluated mining technologies: specialized systems (OAS, CAS, MEMS), fleet dispatch (FMS), mine planning, geology, maintenance, simulators, and AI/ML solutions.	

- Led economic evaluation (NPV, IRR, ROI, payback) for all Digital Transformation projects through 2040, supporting investment business cases.
- Cut a project's cost by 60% (USD 70K to 26K) by splitting scope among local suppliers, and led the Early Warning System study for the Tailings Storage Facility.

Digital Mining Transformation Jr Analyst

Apr 2022 – Apr 2023

- Managed a portfolio of 151 value chain improvement opportunities, prioritized by strategic impact, risk, and return.
- Conducted pre-feasibility studies with NPV and cost analysis, and evaluated emerging technologies to automate and modernize the operation.

Compañía Minera Raura

Huánuco, Peru

Occupational Health & Safety (OHS) and Technology Trainee

Feb 2022 – May 2022

- Cleaned 45,000 SYSTEMMIN 8.5 records with Power BI, closing 100% of pending actions, and trained staff on critical risks, raising exam pass rates by 40%.
- Developed a React OHS management web app to monitor 1,120 workers, with assessments covering 15+ safety protocols (85% pass rate).

ASERCOMET

Cusco, Peru

Assistant Project Engineer

Jan 2021 – Dec 2021

- Planned and controlled Greenfield and Brownfield projects (exploration and expansion) for mining clients across multiple work fronts, securing schedules, milestones, and resources.
- Led industrial control system implementations with end-user departments, ensuring technology modernization and operational continuity.

Mining Engineering Intern

Jan 2020 – Dec 2020

- Supported planning and control of infrastructure and industrial systems projects, managing supplies and compliance with safety and quality standards.

Tricon Global / TJ Goodman Inc. (J-1 Program, Alliance Abroad)

Vernal, Utah, USA

International Exchange Student, Production Assistant

Dec 2014 – Apr 2015

- Supported production scheduling, inventory management, and quality control in a cross-cultural environment.

AWARDS

“The Linker” Award, Linkminers

Jan 2025

- Highest share of contacted solutions with implementation potential toward a more digital, sustainable mine (finalist in Feb 2024).

Performance Recognition, MMG

May 2024

- 60% project cost reduction (USD 70K to 26K).

Performance Recognition, MMG

Jul 2023

- Tailings Storage Facility Early Warning System study delivered on schedule.

LEADERSHIP & AFFILIATIONS

Mining Technology Research Group (GRIINTEC), UNSA

Co-founder

Explosives Engineering Research Group (GIINEX) and SME UNSA Student Chapter

Member

Institute of Mining Engineers of Peru (IIMP)

Active member

SKILLS & CERTIFICATIONS

Data & IT/OT: AVEVA PI System (PI AF, PI Vision, PI Web API, PI SDK), SCADA, FMS, Python, Scikit-learn, Jupyter, Docker, FastAPI, SQL/PostgreSQL, Power BI, Azure

Mining: MinePlan, Deswik, Datamine, Vulcan, Rocscience, TALPAC, Dispatch, ProVision, MineCare, ArcGIS

Management: Economic evaluation (NPV, IRR, ROI), feasibility studies, data governance, KPIs/SLAs, RACI, SAFe/PI Planning, Scrum

Certifications: Lean Six Sigma Green Belt, Scrum Foundation Professional Certificate (SFPC), PMI Project Management Ready

Languages: Spanish (native), English (professional)