



## EDUCATION

PhD Student in Material Science | Missouri University of Science and Technology – Rolla, MO USA

AUGUST 2022 – ON GOING

Cement and Supplementary Cementitious Materials hydration studies.  
Powder steel with admixtures behaviour characterization at high temperature.

BS Chemical Engineering | National University of Engineering – Peru

AUGUST 2009 – JUNE 2017

Fifth superior of the Professional School of Chemical Engineering.

Chemical Engineering | University of Oklahoma – Norman, OK USA

AUGUST 2015 – MAY 2016

PERU LNG Scholar 2015. Electrocatalytic hydrogenation of furfural, Biofuels Research Team.



## EXPERIENCE

Quality Engineer | AGP PERU – Peru

OCTOBER 2019 – 2022

- Detection of customer satisfaction inhibitors; leading the PDCA per customer complain.
- Knowledgeable in problem solving and quality tools: Six sigma, 5WHY, 8D, RCA, DOE, and FMEA.
- Non-destructive testing: SCALP, EdgeMaster, FSM-700h, Instron.
- Implement of QA for prototype programs QA/QC.
- Especialization in ionic exchange toughening process and testing.
- Member of the AGP's Health and Safety Committee since August 2018.

Laboratory Engineer | AGP PERU – Peru

JANUARY 2018 – OCTOBER 2019

- Accreditation of the Quality Laboratory in compliance with "AMECA laboratory requirements" based on U.S. DOT/State regulation.
- Implement QC Plans, Laboratory Testing Control in compliance with international standards, as: ECE R43, GB 9656, and ANSI/SAE Z26.1.
- Incoming material QC, evaluation of KPI under Laboratory results.
- Knowledgeable in glass fractography analysis.
- Managing of external audits such as: Spain, Finland, China, and USA requirements.
- Standardization of testing required per customer at the prototyping and series phase.
- Root cause analysis and research of non-conformities.
- Report of control of production testing, validation plans, and requested testing.

Process Engineering and Laboratory Trainee | HUNT LOC – Peru

JULY 2016 – JULY 2017

- Perform engineering calculations, weekly and monthly reports, daily follow up of KPI's and support to process engineers.

- Participate in Process Safety as HAZOP, MOC, LOPA and MHA.
- Laboratory determination of chemical doses for well water, and reverse osmosis.
- Identification of critical equipment through the process, under HAZOP examination (valves, boilers, etc).
- Perform calculus of counterflow at check valves according to API standard 521 (2014), confirming adequate protection.

### Distillation Practitioner | REPSOL - Refineria La Pampilla – Peru

JANUARY 2014 – JANUARY 2015

- Monthly balance report of chemicals used in the Unit, and controls taken for improvement.
- Lesson learned and incident investigation.
- Follow up performance of furnaces, burners of the facility.
- Update SOP and environmental plan according to plant modifications. Update the matrix of environmental aspects and hazard identification and risk assessment.

### Unit Operations Laboratory Assistant | National University of Engineering – Peru

MARCH 2012 – DECEMBER 2012

- Guide in the proper handling of the equipment, tools, and materials for experiments performed by senior and graduate students.
- Assistance in the start-up of pumps, compressor, air extractor, and boiler.



#### SKILLS

- Proactive and self-motivated
- Leadership
- Adaptative and quick learner
- Team-oriented
- Lean Six-Sigma
- Root Cause Analysis



#### OTHER

- GEMS, Thermo-Cal, HYSIS
- AutoCAD, Solidworks, SketchUp
- MS Office 365
- Matlab
- Fluency in English
- Proficiency in French