

# Gerardo Gabriel Huichapa Padilla

Mechatronics Engineer

Date of Birth: June 28, 1997

## PROFESSIONAL EXPERIENCE

### ELETRIC 80

#### PLC-ROBOTICS ENGINEER

OCTOBER 2021 - PRESENT DAY

- Transferred by Elettric 80 to Chile as PLC Team Leader, leading PLC technicians in technical execution, project preparation, and readiness for assigned automation projects.
- Developed, customized, integrated, and optimized PLC control software for FANUC Robots, high-density warehouses, and logistics automation solutions in beverage, food, and tissue industries.
- Managed the full software lifecycle, including development, testing, commissioning, installation, troubleshooting, and maintenance.
- Designed software configurations and executed on-site functionality testing and diagnostics during client installations.
- Collaborated with Sales, Project Management, Site Management, Hardware/Mechanical Engineering, and Customer Service teams across automation projects.
- Provided remote Engineering Customer Service support through a ticketing system, ensuring timely follow-up and resolution of technical issues.

### AFL Global

#### AUTOMATION ENGINEER

JANUARY 2018 - NOVEMBER 2020

- Developed and supported PLC-based automation systems, including vision systems, sensors, actuators, robots, and data acquisition modules.
- Installed and programmed 6-axis industrial robots for manufacturing automation.
- Created and updated electrical diagrams for installation, troubleshooting, and improvements.
- Supported production traceability applications and supervised technical staff.

### Whirlpool

#### INTERNSHIP - REFRIGERATION PRODUCTS

APRIL 2017 - JANUARY 2018

Implementation of cost reduction & Quality projects for electrical division

## EDUCATION

### Universidad del Valle de México

#### MECHATRONICS ENGINEERING

2014 - 2017

- Board Member
- Business Incubator participant

## CERTIFICATIONS

### LABVIEW CLAD

2019

- Industrial Applications Development and Programming.
- Data Acquisition Modules Implementation.

### SOLIDWORKS

2019

- Part & Assembly Design
- Technical Drawings

### INDUSTRIAL SAFETY

2019

- Risk Assessment Analysis
- Project Safety Phases

## TECHNICAL SKILLS

### Programming

- Advanced PLC
  - Rockwell
  - Siemens
- C++
- Java
- LabView
- Python
- Web development

### Robotic Systems

- Fanuc
  - Conveyors, Palletizers & Automation

### Equipment

- Programming
- Maintenance
- Installation

### Vision Systems

- Keyence
- Sick
  - Programming
  - Equipment Specification
  - Solution development and Implementation

### Others

- SolidWorks
- 3D Printing
- Sensors calibration
- Microsoft Office

## LANGUAGES

Spanish - Native

English - Fluent

## CONTACT

Cellphone: +52 81 1488 3761

Email: gerardohuichapa@gmail.com

Residence: Santiago, Chile