

# DIEGO GUEVARA

ELECTROMECHANICAL ENG.  
FULL STACK DEVELOPER

## ABOUT ME

Electromechanical engineer with a Master's completed coursework in Renewable Energies and a deep academic focus on power generation systems, particularly solar PV and wind energy with over four years of professional experience as a multidisciplinary drafter (mechanical, electrical, and piping) in mining consulting projects.

Recently completed freeCodeCamp's legacy full-stack curriculum (HTML/CSS, JavaScript, React, Node.js, Express, MongoDB & willing to learn more), now seeking a full-stack, front-end, or back-end role where I can combine rigorous analytical thinking, energy-sector expertise, and modern JavaScript skills to deliver robust, high-impact applications.

## WORK EXPERIENCE

### Drafter in Metallurgy Area

Autoprosos S.A.C. 2023-2024  
Prepared process flow diagrams (PFDs) at basic engineering level for the Colquisiri mining unit capacity expansion to 2,100 tpd.

### Drafter in Electrical and Metallurgy Area

GEMIN Associates, 2019 - 2022  
Produced single-line diagrams, power & control systems, grounding, and lighting designs (electrical discipline) and complete process flow diagrams for all metallurgical areas. Contributed at basic and detailed engineering stages for concentrator plant projects: Sumaq Rumi, Antapite, Morococha, and Huarón.

### Drafter in Instrumentation Area

Environmental Science Engineering & Gis S.R.L - Escegis, 2018 - 2019  
Developed P&ID diagrams, instrument layouts, architectural plans, and control diagrams at basic engineering level for El Porvenir mining unit expansion.

## EDUCATION

**Master's in Renewable Energies**  
Universidad Europea de Madrid (2023-2024)  
Coursework Completed (Thesis Pending)

**Professional Title of Electromechanical Engineer**  
Universidad Tecnológica del Perú (2022 - 2023)

**Bachelor's Degree of Electromechanical Engineering**  
Universidad Tecnológica del Perú (2017- 2022)

**Bachelor's Degree of Electronic Engineering**  
Universidad Nacional del Callao (2015- 2016)  
Completed to 4th Semester

## CERTIFICATES

**Quality Assurance**  
freeCodeCamp

**Back End Development & APIs**  
freeCodeCamp

**Data Visualization**  
freeCodeCamp

**Front End Development Libraries**  
freeCodeCamp

**JavaScript Algorithms and Data Structures**  
freeCodeCamp

**Responsive Web Design**  
freeCodeCamp

**Power BI Course**  
Idat

## STACK

**Languages**

- HTML5
- CSS3
- JavaScript

**Tools & Platforms**

- Git & Github
- VS Code
- npm
- NASA Power API
- Mongo DB
- Google Cloud APIs & Services

**Frameworks & Libraries**

- jQuery
- Express
- Sass
- React
- Redux
- React-Redux
- D3
- Node.js
- Express
- Mongoose
- Chai

## ENGINEERING

**Areas of Expertise**

- Automation and Control
- Electricity Grid
- Metallurgical Process
- Power Stations
- Renewable Energies

**Engineering Tools**

- AutoCAD
- AutoCAD Plant 3D
- Inventor
- PVSyst
- WAsP
- Windographer