

LILIANA BECERRIL TAPIA

ENERGY ENGINEER

Knowledge in energy efficiency, electromobility, cleaner production, 9 ESES, ISO 50001, management, and sustainability.

📍 Ecatepec de Morelos, Edo. Mex. 🎂 jan 15, 2001



✉ lbecerriltap@gmail.com 📞 Cel:+52 55 3995 1893 🌐 www.linkedin.com/in/liliana-beta 🐙 <https://github.com/Belita-Lili>

EDUCATION

Energy engineering UPIITA - IPN

06/2019-06/2024

Classroom Course

1. Energy efficiency
2. Normativity
3. Sustainability
4. Process management
5. Design of photovoltaic systems
6. Renewable energy

Technician in Electrical Control Systems CECyT 3 - IPN

06/2016-04/2019

ELECTRIC MOBILITY, A 360° VISION IBERO-PUEBLA

Diplomat: 09/2023-04/2024

FINANCIAL EDUCATION

Secretaría de Hacienda y Crédito Público

Diplomat: 06/2024-08/2024

Artificial intelligence ROMAC

Diplomat: 06/2024-11/2024

RESEARCH PROJECTS

University of California, San Diego

Professional Internships, 11/2024-03/2025

- Writing technical reports in English
- Back-end programming in microservices.
- Front-end programming following material design
- Probable server deployment
- Research and presentation of results.

La Universidad Cooperativa de Colombia

Summer course, 06/2024-07/2024

- RStudio: Data Analysis

CINVESTAV

Social Service, 06/2023-02/2024

- Synthesis of nanocomposites based on graphene oxide (GO) nanosheets and semiconductors.
- Poster at the "1st Symposium on Nanomaterials and Their Applications in Mexico's Problems".
- Poster at the "32nd International Materials Research Congress 2024".
- Poster at the "3rd Interdisciplinary Congress on Materials 2024"

INAOE

VIAI-23, 06/2023- 07/2023

- Microwave Universe Project: image observation and analysis with Python.
- LXVI National Congress of Physics 2023.

CNMN - IPN

BEIFI, 08/2022 -12/ 2022

- Design and simulation of electrode bases with the help of INVENTOR software.

EXPERIENCE

CONUEE

Professional Internships 2023

- Regulations and data analysis.

ENERGYZA

Professional Internships 2024

- Advanced Excel proficiency Identifying elements in single-line diagrams.
- Understanding the paperwork for CFE, UVIE and CRE.
- Management and use of specialized software such as HelioScope.
- Using monitoring software such as SMA, FusionSolar, SolisCloud.
- Read and interpret technical sheets for ITMS, inverters, photovoltaic modules.
- Interpretation of photovoltaic DUs.

diram

Professional Internships 2025

- Study of the South American market.
- Interpretation of technical manuals and DU for the ideal calculation of the PF for capacitor banks.

SOFTWARE

- **Analysis:** Power BI, Tableau, Origin.
- **Design:** HelioScope, SolidWorks, AutoCAD, INVENTOR, Adobe Illustrator.
- **Programming:** C/C++, MATLAB, SQL, PYTHON, Mathematica, CSS, Javascript, Java, GO.
- **Others:** Office package.

LANGUAGES

■ A1 ■ A2 ■ B1 ■ B2

English Intermediate (B2-CECyT 3 - IPN)

German Basic (A2-Cenlex Zacatenco)

Japanese Basic (A1-Cenlex Zacatenco)

SKILLS

Empathy Interpersonal insight Communication skill

Intuition Persistence Creativity Adaptability

OTHER SKILLS

Playing violin Drawing

INTERESTS

Transportation, Electromobility, Data analysis, Efficiency, Regulations, Sustainability, Process Management, Design.

CLUBS

HYPERNOVA Aerospace

UPIITA - IPN 2023-2024

- Electronics and social networks

IEEE

UPIITA - IPN 2023-2024

- Conferences and congresses.

LILIANA BECERRIL TAPIA

ENERGY ENGINEER

Knowledge in energy efficiency, electromobility, cleaner production, 9 ESES, ISO 50001, management, and sustainability.

📍 Ecatepec de Morelos, Edo. Mex. 🎂 jan 15, 2001



✉ lbecerriltap@gmail.com 📞 Cel:+52 55 3995 1893 🌐 www.linkedin.com/in/liliana-beta 🐙 https://github.com/Belita-Lili

COURSES

Professional in Data Science/ AI

DEV.F - 08/2022

PRE-ACCELERATOR-IMPACT BOOTCAMP ACCELERATOR-IMPACT BOOTCAMP

Incubator SCALE- 03/2023

Regulations on Hydrogen Technologies

CONUEE, ESIQIE- 10/2023

RStudio: Análisis de datos

Universidad Cooperativa de Colombia

Summer Course-07/2024

Fundamentals of the Electrical Industry

Udemy- 09/2023

Google Data Analytics Certificate

Coursera - 11/2023

Air conditioning and buildings

Atingi/GIZ - 12/2023

Frontend development

JA Americas/ Mujer Digital - 06/2024

Backend development

Alura Latam/ Oracle - 06/2024

Data Science Applications to Hydrogen Production

Eneryou - 09/2024

Advanced Excel

Energyza - 09/2024

COMPETITIONS

Pulpleitor - Biomimetic Robot Competition

UPIITA - IPN Dec 2022

- Design and simulation of the robot structure with the help of INVENTOR software.
- 3D printing and assembly of the biomimetic robot based on the movements of an octopus arm.

Impact Startup Competition

Peru- IPN Dec 2023

Winner of second place in the ISC local final for the Müllblue project. 02/2022

DIET - IPN Nov 2023

- Participate in the "DIET" with the "Corre huevito" project.