JENNIFER RODRÍGUEZ TORRES

📞 (+52) 228-148-2016 | 📧 ing.jenny.rt@gmail.com

📍 Emiliano Zapata, Veracruz, México

🌐 https://www.ingjen.com/

🌟 PROFESSIONAL SUMMARY

Electronics Engineer and UX/UI Designer with strong experience in embedded systems, sensor integration, and full-stack development. Over 3 years leading multidisciplinary teams and delivering human-centered, innovative technology solutions in sectors like aerospace, renewable energy, and education. Skilled in C++, C#, Python, HTML/CSS, and modern tools like Figma and Adobe XD. Passionate about bridging technology and human experience through sustainable thinking and intuitive design. Currently exploring projects with social impact.

💼 PROFESSIONAL EXPERIENCE

Bilingual Customer Service Agent

Teleperformance (Remote) | Jan 2025 – Present

- Provided bilingual support to U.S.-based banking customers.
- Resolved technical issues and ensured service continuity.

Independent Electronics Engineer

Freelance (Remote) | May 2024 - Present

- Diagnosed and repaired consumer and professional electronic devices.
- Delivered personalized customer support and post-repair consulting.
- Managed branding and promotion via digital platforms.
- Promoted services through social media and local networking.
- Developed a personal portfolio website using HTML/CSS and UX methodologies.

Educational Technology Coordinator

Universidad De Investigaciones y Estudios Profesionales Avanzados (UNIEPA) – Xalapa, Ver. | Aug 2021 – Present

- Provided tech support and hardware/software troubleshooting in an academic setting.
- Led implementation of digital tools to enhance learning experiences.
- Managed the university's website and digital communication channels.
- Designed and maintained the institutional website using Wix.

1

- Created visual materials with Canva and managed academic processes (enrollment, documentation, payments).
- Analyzed platform data to improve user experience and system performance.

Sensor and Interface Design Supervisor

Centro Universitario Bonpland y Humboldt - Emiliano Zapata, Ver. | Sep 2023 - May 2024

- Supervised development of embedded systems for aerospace applications.
- Programmed in C#, Python, and Arduino for hardware interfacing and automation.
- Built and tested sensor prototypes; validated performance under simulated conditions.
- Led integration with other aerospace modules in collaboration with engineering teams.
- Co-Flight Director for Mexico's first analog space mission (Nov 2023).
- Technical speaker at STEM-focused public outreach events.

Electronics Engineer & Interface Developer

Centro Universitario Bonpland y Humboldt - Emiliano Zapata, Ver. | May 2022 - Sep 2023

- Designed and programmed human-machine interfaces (HMIs) for measurement systems.
- Deployed environmental sensors and performed data collection and analysis.
- Represented the project in national tech fairs and science expos (FAMEX, Plan Ares).

Photovoltaic Projects Engineer

Itzaes Tecnologías Energéticas S.A. de C.V. - Xalapa, Veracruz | Oct 2021 - Apr 2022

- Designed off-grid and hybrid photovoltaic systems.
- Monitored energy output and diagnosed performance anomalies.
- Oversaw system installation and conducted site feasibility studies.

🎓 EDUCATION

M.Sc. in Astrobiology
Centro Universitario Bonpland y Humboldt | Feb - Nov 2023

- Symposium speaker: "Design of sensor systems for planetary habitability monitoring."

B.Eng. in Electronic Instrumentation
Universidad Veracruzana | 2016 - 2021

- Honors graduate; class representative; participated in engineering conferences.

📘 ADDITIONAL EDUCATION

- **Google UX Design Certification – Coursera** | 2022 - 2023
  - Covered end-to-end UX processes, user research, wireframing, prototyping, and usability testing.
- **Diploma in Neurosciences – IPEPSIC** | 2019 – 2020
  - Focused on brain structure, behavior, and applied neuroscience for human-centered systems.

🛠️ SKILLS

- *UX/UI:* Figma, Adobe XD, Canva, Camtasia, Notion
- *Web:* HTML, CSS, GitHub, Visual Studio, Wix
- *Data & Analysis:* Reporting, MATLAB, usability testing, user personas
- *Hardware:* Raspberry Pi, Arduino, sensor networks
- Design thinking, proposal generation, public speaking, customer support

🌐 LANGUAGES

- Spanish (Native)
- English (Upper-intermediate – B2)
- German (Basic – A2)

🚀 FEATURED PROJECTS

- **Chaak Kaabal Log 1.0:** Developed a prototype for hydraulic data logging using embedded sensors to monitor turbine flow and pressure in real time. *(Nov – Dec 2021)*
- *Moviruta: Designed a transport app UX/UI for real-time bus tracking in Xalapa, reducing user search time. (Mar 2023)*
- *Floridea & Al Dente: Led UI/UX projects for a flower delivery app and a cooking tutorial platform. (2022–2023)*
- *Personal Portfolio: https://www.ingjen.com/ – Showcases projects in electronics, UI design, and programming.*
- *Mars Terraforming Sensor System (2023): Designed and presented a sensor suite for planetary habitat simulations at the Astrobiology Symposium.*
- *Plan Ares Analog Mission: Co-flight director for Mexico's first analog space mission. Led hardware integration and data protocols.*