

Rayan Khaleel Racki Abu Ali

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EXPERIENCES

Itaipu ParqueTec

September 2017 – September 2018

Intern

Foz do Iguaçu, PR

- Java.
- Hibernate Framework.
- PostgreSQL.
- Angular 5.

During my internship, I focused on back-end solution development, utilizing Java and Hibernate for building robust systems. I worked with PostgreSQL for data manipulation and also gained hands-on experience with Angular, which expanded my understanding of full-stack development.

Chemistry Lab Monitor

January 2022 – September 2022

Monitor

Foz do Iguaçu, PR

- Communication.
- Leadership and initiative.
- Organization and management.
- Adaptability and continuous learning.

During my time as a Technological Chemistry monitor, I built on the knowledge gained in college while developing crucial soft skills. One of my primary responsibilities was implementing a system for managing reagents and equipment, which generated reports to ensure a safe and efficient environment. Through conducting experiments, I strengthened my communication, leadership, and decision-making abilities, guiding students and resolving unexpected challenges. Active listening and providing constructive feedback helped foster a productive learning environment, while also enhancing my interpersonal and organizational skills.

Extension Project – CATARATAS BAJA SAE

February 2023 – February 2024

Telemetry Sector Member

Foz do Iguaçu, PR

- Electronics.
- Arduino/ESP.
- Python/PySerial/Matplotlib.
- Arduino IDE.
- Teamwork.

During my time in college, I participated in an extension project focused on constructing a Baja vehicle, where I specialized in the telemetry sector. In this role, I used Arduino and Python to collect and analyze crucial data, such as engine RPM, fuel level, and battery voltage, through various sensors. This hands-on experience strengthened my skills in electronics and programming, while also improving my ability to analyze data and solve problems in a real-world context. Teamwork and adapting solutions in real-time were essential to the project's success, fostering my proactivity and collaboration skills.

Itaipu Binacional

Intern

- MATLAB.
- Simulink.
- Python/SciPy/Pandas.
- Signal processing.

June 2024 – March 2025

Foz do Iguaçu, PR

During my internship at the Itaipu Hydroelectric Plant, I conducted research on modeling pressure fluctuations induced by vortices in the suction tube of Francis turbines. This research was published at the 20th Ibero-American Regional Meeting of CIGRE (ERIAC). Through this project, I deepened my expertise in MATLAB, Simulink, control systems, and signal processing.

WEG S.A.

Intern

- SolidWorks.
- Artificial intelligence.
- Python/Pandas/Scikit-learn.
- Excel.

March 2025 – Present

Jaraguá do Sul, SC

Currently interning in the Application Engineering area, where I focus on process and service automation. My work centers on developing solutions that optimize technical response times and enhance customer support efficiency by leveraging AI tools to analyze data and generate automated responses.

ACADEMIC BACKGROUND

UNIOESTE

Mechanical Engineering

December, 2025

Foz do Iguaçu, PR

INSTITUTO FEDERAL DO PARANÁ

Systems Development Technician

December, 2019

Foz do Iguaçu, PR

SKILLS

Teamwork and collaboration, logical reasoning, problem-solving, effective communication, adaptability, continuous learning, critical and analytical thinking.

Language

Inglês.

- Speaking: Fluent.
- Comprehension: Fluent.
- Writing: Advanced.

Spanish.

- Speaking: Intermediate.
- Comprehension: Intermediate.
- Writing: Basic.

Arabic.

- Speaking: Intermediate.
- Comprehension: Basic.
- Writing: Basic.

Portuguese

- Speaking: Fluent.
- Comprehension: Fluent.
- Writing: Fluent.