

Jesús Enrique Dávalos Gutiérrez

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Education

Unidad Académica Preparatoria Mazatlán, Sin.
Rubén Jaramillo 2018- 2021

High School. August 2021.

Universidad Politécnica de Sinaloa Mazatlán, Sin.
Bachelor's Degree in Biomedical Engineering. December 2024. 2021 - 2024

Experience.

Servicios Integrales Biomédicos Mazatlán, Sin.
2022 - 2023

Biomedical Engineering Assistant Technician, November 2023

- Preventive maintenance of medical devices
- Corrective maintenance of medical equipment
- Management of warranty policies
- Sales of medical equipment

G.S. PRECISION

Professional Internship Trainee, December 2023 Guaymas, Son.
2023 - 2023

- Computer-aided design (CAD) for part number creation
- Development of machining protocols
- Continuous improvement practices

Agencia Espacial Mexicana

Professional Residency, December 2024 Zacatecas, Zac.
2024 - 2024

- Development of telemetry systems
- PCB and embedded systems design
- VHDL and FPGA programming
- Implementation of LoRa technology

Certifications

Machine Learning with Python – IBM Cognitive Class
Año: 2025 • Official Digital Certification by IBM



Badge

Python for Data Science – IBM Cognitive Class
Año: 2025 • Official Digital Certification by IBM



Badge

Habilidades

- English Level: B2
- Programming Languages: Java, C++, Python, MATLAB
- Office Tools: Excel, Word, Power BI, etc.
- Embedded Systems Development
- PCB Design
- Computer-Aided Design (CAD): SolidWorks, AutoCAD
- Data Analysis and Science:
 - Data manipulation with Pandas and NumPy
 - Data visualization with Matplotlib and Seaborn
 - Data cleaning, transformation, and preparation
- Hospital Technology Management – Customer Service
- Machine Learning
 - Supervised models: Linear regression, logistic regression, KNN, SVM, decision trees
 - Unsupervised models: Clustering with K-Means
 - Model evaluation: Confusion matrix, precision, recall, F1-score, ROC-AUC curve
 - Data preprocessing: Normalization, categorical variable encoding, dataset splitting
 - Practical implementation using the scikit-learn library
- Other Technical Skills
 - Database development: MySQL, InfluxDB
 - Clinical Engineering

Additional Information



Contact



My LinkedIn