ÁNGEL ALBERTO GONZÁLEZ FLORES

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EXPERIENCE

Data Entry Assistant, TERNIUM MX   June 2021 — June 2022

Oversaw the recording and management of tooling equipment, machines, parts, spare parts, and instruments vital to the operation of industrial plant machinery.

- Designed and implemented an effective system to track and control equipment and inventory.
- Improved machinery data accuracy, ensuring seamless operations and minimizing downtime.
- Streamlined the organization of recomposition materials for increased efficiency.
- Supported overall machinery reliability through meticulous data management and coordination.

Technologies: Advanced Excel, Microsoft Office 365, Cambria Software

EDUCATION

UANL, Facultad de Ciencias Físico-Matemáticas, Bachelor's Degree in Actuarial Sciences   2022 — 2027

- **Statistical Analysis:** Expertise in probability, regression analysis, hypothesis testing, and time series analysis.
- **Data Manipulation:** Proficiency in cleaning, organizing, and analyzing complex datasets.
- **Data Visualization:** Skilled in creating impactful visual representations of data to convey insights.
- **Risk Analysis:** Strong foundation in assessing and managing risks in actuarial contexts.

Escuela Técnica Roberto Rocca MÉXICO, Mechatronics Technician Degree   2019 — 2022

- **Final Grade:** 9.1/10
- **Mechanical Skills:** Proficient in mechanical systems design and maintenance.
- **Electrical and Electronics Expertise:** Knowledge of electrical circuits, electronic components, PCB design, and soldering.
- **Automation:** Hands-on experience with automated systems, including PLCs.
- **CAD Tools:** Advanced proficiency in Computer-Aided Design software.

ADDITIONAL CERTIFICATIONS

Udemy, Microsoft Excel - Excel from Beginner to Advanced by Kyle Pew & Office Newb

- Mastery of Excel basics, advanced functions, and workplace applications.
- Proficient in automating processes using Macros and VBA for efficiency.
- Skilled in handling large datasets, building dynamic reports, and optimizing workflows.

Udemy, Microsoft Excel - Data Analysis with Excel Pivot Tables by Maven Analytics & Chris Dutton

- Elevated data analysis skills through expert use of Pivot Tables and Pivot Charts.
- Developed proficiency in transforming workflows for greater productivity.
- Applied concepts through real-world case studies, enhancing hands-on expertise.

PROJECTS

Data Analysis: Nasdaq-100 and S&P 500

A comprehensive project analyzing the Nasdaq-100 and S&P 500 indices to understand trends, patterns, and behaviors in financial markets.

- **Data Sourcing**: Data from Investing.com: daily, weekly, and monthly values for opening/closing prices, highs/lows, volumes, and percentage changes.
- **Key Insights**: Identified trends: highs/lows, weekly and correlations between the indices.
- **Visualization**: Used R for data manipulation and visualization.
- **Outcomes**: Concluded that the American economy demonstrates long-term stability, with indices reflecting safe investment opportunities.

Technologies used: R; Data Visualization, Statistical Analysis.

Personal Portfolio Webpage

Created a virtual portfolio to showcase personal achievements, emphasizing web development skills.

- **HTML5:** Structured content for accessibility and optimized SEO.
- **CSS/Sass:** Styled the webpage with scalable and maintainable code.
- **jQuery:** Added interactive features for enhanced user engagement.
- **Hammer.js:** Implemented touch gestures for a mobile-friendly experience.

Ther-Ex Leg/Arm

Designed and developed a prosthetic tool for mechanical rehabilitation, improving patient recovery processes.

- **Arduino Programming:** Controlled hardware functionality.
- **Electronic Prototyping:** Built functional and reliable devices.
- **Mechanical Design:** Engineered user-centered prosthetic mechanisms.
- **Collaboration:** Worked with stakeholders to ensure safety and effectiveness.

Anthropomorphic Robot Arm

Developed a user-friendly, programmable interface for an educational robot, enhancing classroom robotics experiences.

- **Python Programming:** Created a robust user interface.
- **Arduino Integration:** Designed hardware control systems.
- **GUI Design:** Ensured ease of use for diverse educational settings.
- **Robotics Knowledge:** Enabled versatile robot functionalities.

SKILLS

Coding.

- Python, R, SQL, C#, C++, HTML, CSS, JavaScript, Sass.

Tools

- Advanced Excel, Google Sheets, Office 365, Jupyter Notebook, Fusion 360, SolidWorks, Docker, Redis, Jest, Tailwind, Shell scripting, CAD

Technical

- CNC, PLC programming, Electronics, Hydraulics, Pneumatics, Circuit design and analysis

Soft

- Effective Communication, Strategic Thinking, Collaboration, Problem Solving, Analytical Reasoning, Leadership, Adaptability, Innovation