

ANDRE RAVEN

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PROFESSIONAL SUMMARY

Data-driven professional with a strong background in engineering physics and expertise in data science. Experienced in leveraging mathematical methods, data visualization, and programming to deliver insights and solutions. Passionate about optimizing processes and applying analytical skills to improve decision-making and business outcomes. Fluent in both Spanish and English.

EXPERIENCE

2022 – 2023

ENGINEERING RESEARCH INTERN, INSTITUTO POTOSINO DE INVESTIGACIÓN CIENTÍFICA Y TECNOLÓGICA A.C.

Prepared and analyzed metal nanoparticle samples, ensuring high-quality standards through data-driven quality control.

Conducted spectroscopy analysis and developed protocols for physical separation techniques, applying statistical methods for data interpretation.

Managed and maintained laboratory equipment, ensuring precise data collection and sample characterization using diverse microscopy techniques.

2018 – 2022

PROJECT DEVELOPER (DATA & RESEARCH PROJECTS), UNIVERSIDAD AUTÓNOMA DE SAN LUIS

Led various data-driven projects, including interpolation and extrapolation of data for scientific research and industrial applications.

Developed and analyzed nano silver particles with antibacterial properties, applying data analysis for optimizing synthesis processes.

Designed and implemented PCBs, utilizing data analysis for efficiency improvements in electronic systems.

2023 – 2024

CUSTOMER EXPERIENCE SPECIALIST, TRICOLOR ACCEPTANCE, LLC

Manage customer incidents by providing real-time solutions regarding their credits, automobiles, mechanical problems and contracts.

2024 – PRESENT

DATA MANAGER FOR IA, TELUS DIGITAL

Application of data classification techniques to identify and mitigate harmful content.

Implementation of enhanced data moderation processes by analyzing patterns in user generated content (UGC).

2024 – PRESENT

VARIOUS CODING PROYECTS, AUTONOMUS GITHUB

Solving coding problems to increase my GitHub portfolio. Some of these projects include predictive models, an employee management system, a statistical analysis tool, data cleaning and analysis, web scraping, neural networks, MySQL databases, Selenium & much more...

EDUCATION

2018 – 2022

BACHELOR OF ENGINEERING PHYSICS, UNIVERSIDAD AUTÓNOMA DE SAN LUIS POTOSÍ

MARCH 2023 – MAY 2023

DIPLOMA IN MANAGERIAL FINANCE, UNIVERSIDAD AUTÓNOMA DE SAN LUIS POTOSÍ

DECEMBER 2023 – MAY 2024

GOOGLE DATA ANALYTICS PROFESSIONAL CERTIFICATE, COURSERA

Data Cleaning | SQL | Data Visualization | Problem Solving | Decision Making

OCTOBER 2024 – PRESENT

HACKABOSS BOOTCAMP DATA SCIENCE & IA, HACKABOSS

Data Cleaning | SQL | PYTHON | Data Base | Machine Learning

SKILLS

- **Data Analysis Tools:** Python, SQL, Microsoft Excel, Data Cleaning, Data Visualization
- **Research & Technical Skills:** Nanomaterials synthesis, UV-VIS Spectrophotometry, Sample Preparation for Microscopy
- **Programming Languages:** C#, Python, LabVIEW
- **Soft Skills:** Critical Thinking, Problem Solving, Team Collaboration, Communication

ACTIVITIES & INTERESTS

Enthusiastic about leveraging data to improve business and scientific outcomes.
Interested in scientific development with a focus on social and environmental well-being.