

Curriculum Vitae

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Professional Summary: I am a professional in the metal-mechanic and casting sector with more than 7 years of experience in designing and manufacturing mechanical parts and components. I am skilled in solving technical problems and work well in teams. Recently, I have decided to change my career to software development and IT due to its constant growth and learning opportunities. I have invested time in learning programming languages such as Python, JavaScript, HTML, and CSS, and have completed online courses in web programming and databases. I am motivated, quick learner, and willing to take on new challenges. I am seeking opportunities to demonstrate my skills and knowledge in software development and IT and believe that I can be a valuable asset to any company focused on teamwork and technological innovation.

Work Experience:

Fundiciones Rice, S.A. de C.V. - Quality Coordinator - [March 2022 - Present]

- Creation, implementation, and maintenance of the quality management system.
- Planning and execution of internal and external audits and evaluations to verify compliance with quality standards and procedures.
- Identification of problems and development of effective solutions.
- Development of training and education programs for employees.
- Collection and analysis of data to monitor process and product performance and preparation of reports.
- Teamwork with other departments and clear and effective communication of quality expectations and requirements.

Fundiciones Rice - Research and Development (R&D) Coordinator - [June 2015 - March 2022]

- Design, planning, and execution of R&D projects for new products and technologies.
- Identification of opportunities for improvement and innovation in existing processes and products, and leadership in the implementation of solutions.
- Development of technical specifications and standards for new products and processes and ensuring their compliance.
- Coordination of multidisciplinary work teams for the effective execution of projects.
- Research and evaluation of emerging technologies and market trends to identify opportunities for developing new products and services.
- Interaction with suppliers, customers, and other stakeholders to ensure project alignment with their needs and expectations.
- Participation in the preparation and presentation of R&D proposals to obtain external funding.
- Monitoring and evaluation of project and team performance, and reporting of results and progress to top management.
- Contribution to the generation of patents and other types of intellectual property related to R&D projects.

Education:

Mechatronic Engineer - Universidad Politécnica de Sinaloa – 2015

Courses and Certifications:

- Building a Modern Website from Scratch with HTML and CSS - UDEMY - 2023
- Python Without Borders: HTML, CSS, Flask, and MySQL - UDEMY - 2023
- Limited Level II Industrial Ultrasonic Testing for Thickness Measurement - Capacitación y PND de México - 2018.
- Mold Tools - SolidServices - 2018.
- Programming of CNC Machines with G and M Codes - UPSIN - 2017.
- Basic IRC5 Programming - ABB Robotics Mexico - 2017.
- RobotStudio Basic - ABB Robotics Mexico - 2017.
- Advanced IRC5 Programming - ABB Robotics Mexico - 2017.
- Introduction to the Metallurgy of Copper Alloys for Casting - CIDESI - 2017.
- Development of Managerial Talent - Mazatlán Business Center - 2017.
- Fundamentals of Designing Feeding and Pouring Systems for Copper and its Alloys – Sociedad Mexicana de Fundidores- 2017.

Technical Skills

- Solidworks
- Excel VBA Macros
- MySQL
- HTML
- CSS
- Python
- Flask Framework
- SolidCast
- SprutCAM
- AutoCAD
- Office Suite
- LabView
- Matlab

Soft Skills:

- Effective communication
- Teamwork
- Flexibility and adaptability
- Problem-solving
- Leadership
- Time management
- Critical thinking
- Creativity and innovation
- Empathy and respect
- • Continuous learning

Languages:

Spanish: Native

English: Intermediate - Advanced

References:

- José Javier Osuna Zambrano - Production Manager - Fundiciones Rice - +52 695 119 8482
- Alfredo Canto - Project Engineer - CIDESI - +52 55 1224 3346 - alfredo.canto@cidesi.edu.mx
- Humberto Fitch - +52 669 146 3926
- Celso Eduardo Cruz - Mechanical Construction Manager - CIDESI - +52 442 465 2668 - ecruz@cidesi.edu.mx

I hope my CV is of your interest and I am available for any further questions.