



# Alvaro Díaz Falconi

Versatile person with a great capacity for learning. With an extense experience in the planning, execution and supervision of what is planned through the coordination and participation of the entire team demonstrated in the petrochemical industrial sector and in training and teaching tasks.

## Contact



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<https://razonar.github.io/>

## Personal Data

Nacimiento 01/03/1965  
C.I. 1 544 264 / 7  
UDELAR Electrical engineering

## Specializations

links to online certificates

- o John Hopkins  
Data Science
- o Colorado Boulder  
Statistical Thermodynamics
- o Colorado Boulder  
Embedding Sensors and Motors
- o Colorado System  
Computer Communications
- o Imperial Collage London  
Math for Machine Learning
- o Stanford University  
Algorithms
- o Vanderbilt University  
MATLAB Programming

Committed to each of the tasks that I have accepted, after having worked for 10 years at the Hospital Sanatorio Español, I migrated to Mexico in 2000, where I perform work management tasks and study of maintenance projects and design of mechanical structures, Later, I joined teaching to be a Mechatronics Engineering coordinator and giving training courses to technical personnel of petrochemical plants. I return to Uruguay in 2021, from where I taught online classes.

## Work experience

- |  | years     |
|--|-----------|
| o Suppliers payment manager, Hospital Sanatorio Español.   | 1990-2000 |
| o Tutorial teacher in high school maths and physics        | 1995-2021 |
| o Systems Manager at REAL-SCENE, advertising agency.       | 2001-2003 |
| o Mechanical build direction and design at CMUSA SA.       | 2002-2007 |
| o Industrial Safety Advisor at RHODIA                      | 2005-2006 |
| o Mechatronics coordinator, Escuela Superior de Ingeniería | 2009-2016 |

## Teaching experience

- |   | years     |
|---|-----------|
| o Docente, Escuela Superior de Ingeniería (ESI)               | 2016-2021 |
| o Coordinador de Ingeniería Mecatrónica, ESI                  | 2009-2016 |
| o Workshops for teachers from U. Veracruzana, CBTIS and CETIS | 2007-2012 |
| o Bachelor's and Master's Degree Thesis Counseling            | 2007-2016 |
| o Private courses, high school and university level           | 2004-2021 |

## Certifications

- |   | year |
|---|------|
| o CONOCER labor competence certification <i>Impartición de cursos presenciales.</i>                                   | 2015 |
| o SCHNEIDER certification <i>Energy Efficiency Fundamentals for Industrial Automation &amp; Control Professionals</i> | 2014 |
| o FLUKE certification <i>Electrical Measurement Safety Program.</i>   | 2015 |
| o FLUKE Biomedical certification, <i>Medical Device Quality Assurance</i>   | 2015 |

## Recent courses and memberships

- o Member of the [International Society of Automation](#)
- o Miscellaneous courses about [Mechanical engineering](#)
- o Miscellaneous courses about [Electrical engineering](#)

## Languages

Spanish	Native
English	100 %
French	70 %
Portuguese	70 %

## Informatics

Advanced knowledge of office packages, programming in usual languages and calculation languages.