

Roberto Alfaro Ibáñez

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[→ Portfolio Web Site ←](#)

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| Professional formation: | Industrial Engineering - Focus in Operations Management Autonomous University of Chile, Talca, Chile (March 2013 – August 2018) |
| Additional Programs: | Data Scientist Diplomat Universidad del Desarrollo (November 2021 – May 2022) Bootcamp Python Full Stack – Django Coding Dojo (2021) Solar Energy – Component and System Calculation EdX - Delft University of Technology (2020) Strengthening of local capacities for development of project with NCRE United Nations Development Programme (2017) Entrepreneurship Management and Leadership Minor from Autonomous University of Chile (2015 – 2016) |
| Awards and Achievements: | Scientific Initiation Program Active cooperation as a co-investigator of a research project (2015, 2016) Best Undergraduate Student Autonomous University of Chile (2014 and 2015) Teaching Assistant Autonomous University of Chile (March 2017 - August 2018) Signatures: Operation Management, Project Evaluation and Process Simulation |
| Certified Knowledge: | Git and GitHub Statistic, Data Management and Machine Learning using Python Pandas, Numpy and Scikit-Learn from Python Machine Learning Modelling using Python |
| Self-taught Knowledge: | Statistic, Data Modelling and Visualization with R Engineering Simulation with ANSYS |

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| Software and Programming: | Intermediate Level – Matlab | |
| Expert Level – Microsoft Excel | Intermediate Level – Arduino | |
| Advanced Level – Excel Macros | Intermediate Level – Programming with Java | |
| Advanced Level – Programming with Python | Basic Level – AutoCAD | |
| Advanced Level – Power BI & Tableau | Language: | Native Spanish |
| Intermediate Level – Rstudio | | English |
| Intermediate Level – MySQL | C1 – Reading | B1 – Speaking |
| Intermediate Level – Microsoft Office | C1 – Listening | B2 – Writing |

Work Experience

Academic Direction –

Teacher Proceeding

Autonomous University, Talca, Chile
(January 2021 – Current Job)

Implementation of live reports, with data visualization using Microsoft Power-BI, and use of Python for data management and modelling process, with the goal to give and easy access of the information to the entire university,

Python to automatize various small and repeatable processes using executables programs.

Budges estimation, planification, academic forecasting, actualization of the data base, payment processing, teacher support and academic planification fulfillment monitoring

Independent Studies and Freelancing (February 2020 – December 2020)

Various task: obtain data using web scraping, data processing, and data visualization, using mainly: Excel, Python and Power BI.

Coordinator and Administrator

Maderas Linares, Linares, Chile
(January 2019 - January 2020)

Wood Industry

Implementation of a system and work methodology for every kind of transaction related to the industry.

Design and implementation of a Data Base System.

[Wood Industry and Construction]

Construction

Provision calculator for public civil constructions and Supply Coordinator for every current project.

Volunteer Leader

Mañihuales, Chile
(January 2018 – February 2018)

Led a volunteer group to build an altar as a technical assistant in architecture and engineering

Co-Researcher

Autonomous University of Chile
(March 2015 – December 2017)
[Scientific Initiation Program]

Researcher in the project “Research and Development of small power generator set fed with biogas produced by the anaerobic digestion of food waste, A contribution for energy supply and waste management in Chile.” Research team led by Dr. Pedro Muñoz Velasco.

References

Luis Carter Fuentes

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