

# Roberto Alfaro Ibáñez

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[→ Portfolio Web Site ←](#)

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

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<b>Software and Programming:</b>	Basic Level – AutoCAD	
Advanced Level – Microsoft Excel	Basic Level – Microsoft Project	
Advanced Level – Excel Macros	Basic Level – Microsoft Access	
Advanced Level – Programming with Python	Basic Level – Star ccm+	
Intermediate Level – Rstudio		
Intermediate Level – Microsoft Office	<b>Language:</b>	<b>Native Spanish</b>
Intermediate Level – MySQL		<b>English</b>
Intermediate Level – ANSYS	C1 – Reading	B1 – Speaking
Intermediate Level – Matlab	C1 – Listening	B2 – Writing

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## Work Experience

### **Coordinator and Administrator**

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

[Wood Industry and Construction]

#### 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.

#### Construction

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

### **Director's Assistant**

IntegraSalud, Talca, Chile  
(February 2018 – May 2018)

[Professional Practice]

Created a work model for the “Actual Status Analysis” of the mental health centre in financing, marketing, and planning.

Studied new possibilities and analysed agreements with other enterprises with possible benefits for the centre, financially or by improving the brand.

### **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.

### **Project Manager's Assistant**

Building C75 - Architects, Linares, Chile  
(December 2016 - March 2017)

[Professional Practice]

Searched for government's public contracts, calculated the viability of these jobs based on the information given by the supervisor, and traced the progress of new projects related to construction and architecture.

Assisted in the material calculation of major projects using mainly AutoCAD and Microsoft Project.

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## References

### **Luis Carter Fuentes**

Undergraduate Director – Industrial Engineer  
Autonomous University of Chile  
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### **Yessica Amigo Vásquez**

Main Psychologist and Occupational Therapist  
IntegraSalud  
yeamigo@gmail.com

### **Pedro Muñoz Velasco**

PhD in Industrial Engineering  
Autonomous University of Chile  
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### **Hernan Alfaro Espinoza**

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