

## Roberto Alfaro Ibáñez

4 Norte 460, Talca, Chile  
roberto.alfaroib@gmail.com  
+56 9 6694 2425

[→ Portfolio Web Site ←](#)

[→ Gitbook ←](#)



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<b>Professional formation:</b>	<b>Industrial Engineering</b> - Focus in Operations Management Universidad Autonoma de Chile, Talca, Chile (March 2013 – August 2018)
<b>Additional Programs:</b>	<b>Data Scientist Diplomat</b> Universidad del Desarrollo (November 2021 – May 2022) <b>Bootcamp Python Full Stack – Django</b> Coding Dojo (2021)
<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>	<a href="#">Certified Ethical Hacker</a> (Master – EC-Council) Git and GitHub Statistic, Data Management and Machine Learning using Python Pandas, Numpy and Scikit-Learn from Python Machine Learning Modelling using Python
<b>Self-taught Knowledge:</b>	Statistic, Data Modelling and Visualization with R Engineering Simulation with ANSYS

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<b>Software and Programming:</b>	Intermediate Level – Microsoft Office	
Expert Level – Microsoft Excel	Intermediate Level – Matlab	
Expert Level – Programming with Python	Intermediate Level – Programming with Java	
Advanced Level – Pentesting Tools	Basic Level – AutoCAD	
Advanced Level – Parrot Tools		
Advanced Level – Excel Macros	<b>Language:</b>	<b>Native Spanish</b>
Advanced Level – Programming with Python		<b>English</b>
Advanced Level – Power BI, Power Query	C1 – Reading	B1 – Speaking
Intermediate Level – Rstudio	C1 – Listening	B2 – Writing
Intermediate Level – MySQL		

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## Work Experience

### Academic Direction

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.

### 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.

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## References

### Luis Carter Fuentes

Undergraduate Director – Industrial Engineer  
Autonomous University of Chile  
(+56) (71) 273 5569  
luis.carter@uautonoma.cl

### Gonzalo Huentemilla

Teacher Proceeding Director  
Autonomous University of Chile  
(+56) 71 2735680  
Gonzalo.huentemilla@uautonoma.cl

### Pedro Muñoz Velasco

PhD in Industrial Engineering  
Autonomous University of Chile  
pmunozv@uautonoma.cl