

Roberto Alfaro Ibáñez

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

[→ Portfolio Web Site ←](#)

[→ Gitbook ←](#)



Professional formation:	Industrial Engineering - Focus in Operations Management Universidad Autonoma de 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)
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:	Certified Ethical Hacker (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
Self-taught Knowledge:	Statistic, Data Modelling and Visualization with R Engineering Simulation with ANSYS

Software and Programming:	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	Language:	Native Spanish
Advanced Level – Programming with Python		English
Advanced Level – Power BI, Power Query	C1 – Reading	B1 – Speaking
Intermediate Level – Rstudio	C1 – Listening	B2 – Writing
Intermediate Level – MySQL		

Work Experience

Academic Direction

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

Internal Platform: Ellucian - BANNER

Budget projections and number of students per semester subject, support in payment processing, assistance to teachers, and monitoring of academic compliance (academic calendar and attendance). **[Excel + Power Query + Power BI]**

Allocation of physical spaces for both campuses; deployment of a website to facilitate the reservation process during the academic period, and a document to visualize the schedule in an institutional format. **[Booking + Power Automate + Excel]**

Designed and creation of a shared document linked to the main database, deployed Room Reservation Service, and other departments to unify the schedule visualization for each physical space. **[Power Query + Power Automate + Excel]**

Implementation of live reports in Power BI, including visualization of historical data. Use of Python to process information provided by various servers and make queries to obtain additional information, aiming to facilitate the delivery of information to different faculties. **[Power Query – Power BI – Python (Pandas & Requests)]**

Automation of repetitive processes using Python executable programs. **[Python (Pandas)]**

Ethical Hacker

(January 2022 – Current)

Participation in Bug Bounty programs, as well as providing services as Pentester to APIs in development and Active Directory Attacks.

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.

References

Luis Carter Fuentes

Undergraduate Director – Industrial Engineer
Autonomous University of Chile
(+56) 9 4423 7042
luis.carter@uautonoma.cl

Gonzalo Huentemilla

Academic Director
Autonomous University of Chile
(+56) 71 273 5503
Gonzalo.huentemilla@uautonoma.cl

Pedro Muñoz Velasco

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