



Rodrigo A. González

Curriculum Vitae

Personal Details

Full name Rodrigo Alejandro González Vidal
Date of birth 24th, September 1992
Place of birth Viña del Mar, Chile
Citizenship Chilean
Professional Degree Ingeniero Civil Electrónico (Electronics Engineer)

Education

2015–2016 **Master of Science of Electronic Engineering (with a major in Automatic Control)**, *Electronics Department*, Universidad Técnica Federico Santa María, Chile.
2011–2016 **Electronics Engineering Degree (6-year degree)**, *Electronics Department*, Universidad Técnica Federico Santa María, Chile.

Masters Thesis

Title *Imposition of Causality and Passivity in Spectral Analysis* (in spanish)
Supervisor Prof. Ricardo A. Rojas (UTFSM, Chile)
MSc PhD. Ricardo A. Rojas (UTFSM, Chile)
Committee PhD. Cristian R. Rojas (KTH, Sweden)
PhDc. Patricio E. Valenzuela (KTH, Sweden)
PhD. Daniel G. Sbárbaro (U. Concepción, Chile)
Institution Universidad Técnica Federico Santa María, Chile
Completed November 2016

Research Experience

2017–Present **Research Assistant**, *Department of Electronics*, Universidad Técnica Federico Santa María.
Position description: Research assistant of the Project FONDECYT 1161241, 'Optimal estimation and control over communication channels subject to data loss', under the supervision of Prof. Francisco Vargas.
2016 **Research Intern**, *Control Systems Group*, Technische Universität Berlin.
Position description: 8-week internship in the Control Systems Group of TU Berlin, thanks to the CONICYT 'Scholarship for short internships abroad'.

- 2016 **Visitor**, *Department of Automatic Control*, KTH Royal Institute of Technology.
Position description: 2-week visit to the System Identification Group of KTH, invited by Prof. Cristian Rojas.

Teaching Experience

- 2nd Semester 2016 **Teaching Assistant**, *Department of Electronics*, UTFSM.
Position description: Teaching assistant for the undergraduate course ELO-370 'Automatic Control II'(Digital Control)
- 2015-2016 **Teaching Assistant**, *Department of Electronics*, UTFSM.
Position description: Teaching assistant for the undergraduate course ELO-104 'Linear Systems Analysis'
- 2nd Semester 2015 **Teaching Assistant**, *Department of Mathematics*, UTFSM.
Position description: Teaching assistant for the undergraduate course MAT-024 'Multivariable Integration and Partial Differential Equations'
- 1st Semester 2014 **Teaching Assistant**, *Department of Mathematics*, UTFSM.
Position description: Teaching assistant for the undergraduate course MAT-023 'Ordinary Differential Equations and Multivariable Calculus'
- 2nd Semester 2013 **Teaching Assistant**, *Department of Physics*, UTFSM.
Position description: Teaching assistant for the undergraduate course FIS-120 'Electromagnetism'
- 1st Semester 2013 **Teaching Assistant**, *Department of Mathematics*, UTFSM.
Position description: Teaching assistant for the undergraduate course MAT-021 'Algebra and Elementary Calculus'
- 2nd Semester 2012-2013 **Teaching Assistant**, *Department of Mathematics*, UTFSM.
Position description: Teaching assistant for the undergraduate course MAT-022 'Linear Algebra and Single Variable Integration'

Other working experience

- 2016 **Report Assistant**, *Department of Electronics*, Universidad Técnica Federico Santa María.
Position description: Report assistant and member of the committee of the accreditation process of the Master of Science degree in Electronic Engineering.
- 2015 **Vicepresident of the Student Union of the Department of Electronics**, *Department of Electronics*, Universidad Técnica Federico Santa María.
Position description: Vicepresident of the association of all ~650 students of Electronic and Telematic Engineering of the UTFSM. The position lasts one year.
- 2015 **Summer intern**, Codelco, Ventanas division.
Position description: Summer intern for 8 weeks in the Refinement section of Codelco (National Corporation of Copper), Ventanas division.
- 2014 **Summer intern**, Honeywell Chile S.A.
Position description: Summer intern for 8 weeks in Honeywell Chile S.A. Automatic Control Area, located in Santiago, Chile.
- 2011-2016 **PSU practice test corrector**, *Admission team*, Universidad Técnica Federico Santa María.
Position description: In charge of the validation and listing of errors of the PSU (National University Selection Test) practice tests of the UTFSM.

Honors and Awards

- 2017 **Recipient of the 'Mejor titulado Ing. Civil Electrónica promoción 2016' award**, *Distinction given by the School of Engineers of Chile to the best Electronic Engineer of UTFSM graduated in 2016, in recognition of his academic performance and his conditions of leadership and participation.*

- 2016 **Recipient of the Distinción Académica 'Federico Santa María'**, Award given by UTFSM to the best student of Electronics Engineering graduated in 2016 in the University.
- 2016 **Outstanding student of Master studies in Electronic Engineering**, Award given to the best student of Master of Science of Electronic Engineering graduated in 2016 in the UTFSM.
- 2016 **Recipient of the CONICYT 'Scholarship for short internships abroad'**, National scholarship given to approximately 90 students of Chile per year to afford a short internship in a university abroad.
- 2015-2016 **Recipient of the CONICYT 'Scholarship for Master studies in Chile'**, National scholarship given to approximately 250 students of Chile per year to afford their Masters studies in chilean universities.
- 2014-2015 **1nd place in the list of Honor of the UTFSM**, Award given to the student with the best academical performance of all the University.
- 2013 and 2016 **2nd place in the list of Honor of the UTFSM**, Award given to the student with the 2nd best academical performance of all the University.
- 2012-2017 **Recipient of the Academic Merit of the Electronics Department Award**, Award given to all the students of the Electronics Department with average academic qualifications of over 80 out of 100. Award won 6 consecutive times (all the times possible).
- 2012-2016 **Recipient of the 'Premio al Mérito Académico UTFSM'**, Award given to the two students with highest academic qualifications of all their generation in the University (around 1000 students per generation). Award won 5 consecutive times (all the times possible).
- 2011-2016 **'Puntaje Nacional' Scholarship**, Full undergraduate and postgraduate scholarship given to the student with perfect score in any PSU test (National University Selection Test) of 2010.
- 2011 **Highest PSU score of the UTFSM in 2011**, Honor given to the student with highest average PSU (National University Selection Test) score who entered the UTFSM in 2011.
- 2010 **Perfect PSU score in Mathematics**, Honor given to the student with perfect score in the PSU (National University Selection Test) of Mathematics of 2010.

Computer skills

Basic	C
Intermediate	PYTHON
Advanced	MATLAB, L ^A T _E X

Languages

Spanish	Native	
English	Advanced	Fluent in both spoken and written
German	Basic	Basic words and phrases only

Interests

- Music (guitar, bass and keyboards)
- Running
- Soccer
- Chess