

# Emanuel Escobar

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María Rozas Velásquez 61, Depto 2016, 9170310, Santiago, Chile

## WORK EXPERIENCE

29/09/2008 – CURRENT – Santiago, Chile

**SATELLITE ENGINEER** – SPACE OPERATION SQUADRON, CHILEAN AIR FORCE

Planning of the satellite FASat-C mission.

Maintenance to the system associated with the operation of the satellite platform FASat-C and the control station for the satellite.

Maintenance of the attitude control system for the platform FASat-C.

Advisory on Satellites Operations and new Satellite Projects to the Chilean Air Force.

Design, support and management of the ISO 9001 Quality System.

Civil Professor of Mechanics and Dynamics of Fluids. At Aeronautic Polytechnic Academy, Chilean Air Force. 2011-2017. Santiago, Chile.

Civil Professor of Mechanics of Solids. At Aeronautic Polytechnic Academy, Chilean Air Force. 2011-2017. Santiago, Chile.

Civil Professor of Satellite Communications. At Aeronautic Polytechnic Academy, Chilean Air Force. 2020-2021. Santiago, Chile.

Santiago, Chile

## LANGUAGE SKILLS

**Mother tongue(s):** SPANISH

**Other language(s):**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	B2	C1	B2	B2	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## DIGITAL SKILLS

STK | MATLAB | Simulink | Arduino | Microsoft Office | Python | SciLab | Linux | ANSYS design modeler

## EDUCATION AND TRAINING

27/02/2002 – 04/09/2008 – Concepción, Chile

**AEROSPACE ENGINEER** – University of Concepción

Space Sciences

Mechanical engineering

Finite Element Methods

Computational Fluids Dynamics

Aerodynamics

Propulsion

EQF level 6

01/10/2008 – 30/06/2009 – Toulouse, France

**SATELLITE ENGINEER** – Astrium Space School

Robotics  
Optimization Methods

EQF level 7

## ● **ORGANISATIONAL SKILLS**

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### **Organisational skills**

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Good organizational skills gained during more than 10 years as a supervisor and responsible for the Quality Management System in the Space Operations Squadron.

## ● **COMMUNICATION AND INTERPERSONAL SKILLS**

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### **Communication and interpersonal skills**

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I have communication skills with a proficiency level capable to interact in work teams and motivate them, contributing to achieving the final objectives. I have gained this experience working in a multi-national environment which is common in the space industry.

## ● **JOB-RELATED SKILLS**

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### **Job-related skills**

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Related to the satellite operations, I have mentoring skills, gained as a senior Satellite Engineer in the Space Operations Squadron, training and preparing to the novel engineers of my organization.  
On the other hand, from 2011 to the present, I have been working as Professor (Lecturer) for the courses of Fluids Mechanics, Fluid Dynamics, Solids Mechanics and Satellite Communications at the Aeronautical Polytechnic Academy. This Academy is responsible for the training of the Chilean Air Force Officers who majored in Aeronautical Engineering. Other activities that I have developed in this institution, up to the present, are advising as guidance professor more of ten undergraduate research works until this date.