# Juan Sebastian Silva Saavedra

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## SUMMARY

Having finished my end of studies internship, I am keen to pursue my career as Mechanical and Aerospace engineer. I am motivated and open-minded with academic and professional experiences that include component pre-sizing, design, Finite Element Analysis and CAD softwares such as SOLIDWORKS. Very enthusiastic about informatics, IoT and keep in touch with the latest innovations in mechanical design, data analysis and multi-copters.

### WORK EXPERIENCE

#### **Engineer Intern**

May, 2022 - November, 2022

- Updated and organised the CAD model for the entire product range, following a Lean philosophy.
- Design and prototype the mechanical integration of payloads.
- Facilitate production and improve the performance of some parts.

#### Teaching Assistant

July, 2019 - Jun, 2020

- Assist and help professor of subjects Machine Parts Design II and Engineering Materials.
- Creation of learning tools in Matlab for the students.
- Verification of the Inventor built-in gear generation results.
- Research of residual stress and laser cutting.
- Handling residual stress machine.

#### EDUCATION

2020 - 2022	Formation Ingénieur ISAE-SUPAERO Master of Science at ISAE-SUPAERO
	Toulouse, France
2016 - 2020	Mechanical Engineering Bachelor of Science at Universidad Nacional de Colombia
	Bogotá, Colombia
2003 - 2015	Baccalearaut Académique at Colegio Refous
	Bogotá, Colombia

## CERTIFICATES AND LANGUAGES

Certificates Advanced EXCEL (CEIT-AIRBUS GROUP, 2019); Certificat Télépilote (DGAC, 2022) Languages English, TOEFL (2022). French, DELF B2 (2020). Spanish, Mother Tongue.

## SKILLS

Soft skills Creativity, active listening, adaptability, detail-oriented, decision-making.

CAD & FEA INVENTOR (advanced), SOLIDWORKS (advanced), CATIA V5 (intermediate),

Siemens-NX (basic), PATRAN(basic), NASTRAN (intermediate), Abaqus(basic)

Programming & office Microsoft suite(advanced), Google Suite(advanced), Matlab (advanced), Python

(intermediate), Java (basic)

Other gitHub, Overleaf, Audacity, Inkscape, Movavi

Last updated: November 4, 2022