

RAULNAVAMUEL GARCIA

Aerospace Engineer
Master in Advanced Structural Calculation

A proactive person with demonstrated ability to apply theoretical knowledge to practical engineering problems. Strong analytical and problem-solving skills.



CONTACT INFORMATION

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EXPERIENCE

Toledo
Jan 2022 - Feb 2022

Logistics Coordinator

Logifashion

•Ensured the efficiency of my team in accomplishing ourdaily tasks through teamwork, boosting my **leadership skills** and ability to **work under pressure**.

Toledo
Jul 2019 - Present

Private Tutor

Self employed

•Creating and strengthening students' study routines and abilities to awaken their interest in the subject and boost their potential to reach their academic goals.

•Adapted methodology for each student, pushing myself to be more **creative** every day.
•Achieved to reach an **average grade of 8+** in **20+ students** in their university entrance exams.

Madrid
Apr 2024 - Present

Stress Engineer Adática Engineering

•Performing **static, dynamic and thermal (steady and transients) analysis** in **aeronautical** and **space fields**.

•**Fluid dynamic analysis** for aircrafts components (**CFD**).

•**Topological optimization in weight and stiffness** for metal parts suitable for **additive manufacturing**.

•Extensive demonstrable knowledge of **Altair** softwares (**HyperMesh, HyperView, Hypergraph**).

•Incorporated into R&D programs, developing **AI codes** with neural networks for attitude control of low orbit satellites.

SKILLS

- **Excel (Advanced, VBA)**
- **Matlab, Phyton**
- **Hypermesh | Nastran**
- **CFD Hyperworks | Acusolve**
- **Ansys | Ansys Fluent**
- **SimSolid**
- **Inpire**
- **Catia V5**

LANGUAGES

English

Intermediate. B2 TOEIC

EDUCATION

Madrid 2018
- Present

Aeronautical and Space Engineer

Universidad Politécnica

Madrid 2023 -
2024

Master in Advanced Structural Calculation

EDDM-Engineering Education

PROJECTS

Preliminary 3D desing of a turbofan with Catia V5

Led a team of 4 people responsible for the 3D design of the combustion chamber. In addition, I organized the assembly of the dierent parts designed by the rest of the groups keeping and promoting the transversal communication between the teams, thus, improving my **communication skills** and ability to **deal with a variety of people**.

Administration and direction of a virtual aeronautical company

Assisted in the general management of the company, successfully directing the production department encouraging my **team work** ability.

Key achievement: Our team obtained the highest possible grade within our group of competitors.

3D and 2D design of aeronautical tools

Designed sheet metal bender tool for industrial production levels, including manufacturing plans and an economic justification to support the design. This project changed my **business vision**.

Static stress justification and weight optimization of an HTP

Accomplished a re-design of an existing HTP configuration, optimizing its **composite** laminates properties using HyperMesh. Ensuring the correct behaviour in static load cases under the requirements detailed in the policy referred to by the client.

CERTIFICATES & COURSES

Advanced excel course-UPM

50 hours course about how to lter and organise huge amount of data in an optimized way.

Initiation course in Catia V5-UPM

Practical overview about 2D and 3D aeronatical design, chiey the modules Part Design and Generative Shape Design of Catia V5.

Introduction to AutoCad

Basics notions about design and rendering products.