



MATHIAS FORTUNA

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Barcelona

MECHANICAL ENGINEER

EXPERIENCE

ASSISTANT PROFESSOR

Universidad de Buenos Aires (UBA) (2019 - 2020)

- Courses in Mechanical Engineering Degree
- Structural mechanics, buckling, vibrations, torsion
- CAE, FEM, MATLAB, MathCAD, Latex

AERODYNAMICS AND COOLING

ePowered Racing UPC (2017 - 2018)

- Responsible for simulation projects and tests in a interdisciplinary environment.
- CFD thermal and aerodynamic simulations development and post-processing. Cd optimization, slipstream effect, sidewind effect. Adaptive meshing, parametric swipes.
- 3D CAD design and geometry preparation with Siemens NX.
- Experience with Linux clusters. Computing resources management.

IT TECHNICIAN

Research Textil SRL (2012 - 2013)

- IT, security and emergency systems manager
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EDUCATION

UNIVERSIDAD DE BUENOS AIRES (UBA)

Mechanical Engineer (6 years)

February 2020

UNIVERSITAT POLITÈCNICA DE CATALUNYA (UPC)

International Exchange - Spain (1 year)

- Thesis: "Terminal and Aerodynamic Study of an Electric Racing Motorcycle"
- Nine courses in Mechanical Engineering and **Master degree in Automotive Engineering**

TRINITY COLLEGE OF LONDON

GESE Certificate of communicative skills

SKILLS

- Great spoken and written communicative habilities
 - Analytical and problem solver
 - Exceptional interpersonal and presentation skills
 - Adaptability and versatility
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LANGUAGES SPOKEN

- Native Spanish
- Advanced English
- Basic Catalan

SOFTWARE

- Microsoft Office
- AutoCAD
- SolidWorks
- Siemens NX
- Comsol Multiphysics (CFD)
- MathCAD
- Python