

Teich, Juan Ignacio

📍 Buenos Aires, Argentina

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22-03-1999 — 24 years

PROFESSIONAL OBJECTIVES

To continue my professional career, pursuing challenging projects and applying the skills acquired in my academic journey.

I aim to focus on simulation and its development to address and better understand industry problems.

EDUCATION



2017 – Present

Mechanical Engineering

Faculty of Engineering, University of Buenos Aires

- Thesis in progress - Parametric analysis of disk actuators models to simulate wind farms.
 - CSC - CONICET - Argentina.
 - Director: Alejandro Otero, PhD.
 - Co-Director: Dimas Barile.
- Thesis end date: august 2024.



2011 – 2016

Bilingual High School

Colegio Holy Cross

WORK EXPERIENCE



October 2023 – Present

Numerical Simulations Specialist

STÄMM Biotech

Responsibilities:

- Enhance meshing strategies for complex repetitive structures.
- Develop and run CFD simulations to validate and further improve existing in-house indirect simulation models.
- Elaborate post-processing scripts, for various types of OpenFOAM simulations and python simulation scripts.
- Formulate OOP code to further develop in-house indirect simulation model.

Skills and tools:

- OpenFOAM, Code_Saturne, snappyHexMesh, Salome Geometry and Meshing modules, Python, Object Oriented Programming, Bash, Linux



November 2022 – October 2023

Junior Project Engineer

Saint-Gobain Argentina

Responsibilities

- Lead strategic projects, including analyzing the company's needs for business continuity, basic project design, and implementation.
- Coordinate multidisciplinary teams and stakeholders, seeking consensus solutions within scope, time, and available budget.
- Provide technical support and analysis for acquisitions of new businesses at regional level.

Skills and tools:

- AutoCAD, SolidWorks, MS Excel, MS PowerPoint, MS Planner, MS Project.



March 2020 – March 2021

Teaching Assistant in Thermodynamics course

Faculty of Engineering, University of Buenos Aires

Mechanical Engineering Department

COURSES



Sep. 2021 – Nov. 2021

A Hands-on Introduction to Engineering Simulations

edX & Cornell University

- ANSYS course

SKILLS

Languages

English - fluent

- IGCSE Certificates, Universidad de Cambridge

French - basic

- A1 and A2 certificates

Software

Autodesk Fusion 360

MS Office (Excel, Word, PowerPoint, Project)

AutoCAD

ANSYS

LaTeX

OpenFoam

MatLab

SolidWorks

Linux

Python

Object Oriented Programming

Code_Saturne

Salome Geometry and Meshing Modules