

EDUCATION

- Grenoble Institute of Technology** Grenoble, France
• *Master of Science in Fluid mechanics and Energetics* *Sept. 2017 – Mar. 2019*
- Cairo University** Giza, Egypt
• *Bachelor of Science in Aerospace Engineering; Project: Distinction* *Sept. 2012 – May 2017*

EXPERIENCE

- Old Dominion University** Norfolk, VA, USA
• *Graduate Assistant* *Aug. 2023 – Sept. 2023*
- Coastal Carolina University** Conway, SC, USA
• *Graduate Assistant* *Jan. 2023 – July 2023*
- King Abdullah University of Science and Technology (KAUST)** Thuwal, Saudi Arabia
• *Graduate Assistant* *Nov. 2021 – Aug. 2022*
- French National Center for Scientific Research (CNRS)** Lyon, France
• *Engineer researcher* *Mar 2018 - Sept.2018*
 - **Turbulence and generation of coherent structures:** Simulating turbulence in a confined plasma. Determining the confinement quality by observing the radial turbulent flux in the absence/appearance of zonal flows.
- Cairo University** Giza, Egypt
• *Engineer Researcher* *Jul. 2013 - Jul. 2017*
 - **Propulsion Laboratory:** Analysis of Gas Turbine Combustor, including turbulent combustion modeling.
 - **Aerodynamics Laboratory:** Wind Tunnel Measurements. Aerodynamic analysis of flow past airfoils.
 - **Space Systems Technology Laboratory (SSTL):** Preliminary design of a hydro jetpack.
 - **IEEE Cairo University Student Branch:** Model-Based Design of UAV Autopilot Software.
- Petroleum Air Services** Cairo, Egypt
• *Engineer Trainee* *Summer 2015*
 - **Overhaul & Repair department:** Training workshops on Dynamics, Engines & Propeller, Nondestructive testing (NDT), Tires & Brakes, and Hydraulics.
- National Authority for Remote Sensing & Space Sciences (NARSS)** Cairo, Egypt
• *Engineer Trainee* *Summer 2014*
 - **New Cairo space control station:** workshops on Satellite technology and subsystems.
- EgyptAir** Cairo, Egypt
• *Engineer Trainee* *Summer 2014*
 - **Maintenance & Engineering department:** Training workshops with lectures on Engines, Cockpit, Structure, Aerodynamics and Nondestructive testing (NDT).

EXTRACURRICULAR ACTIVITIES

- **Volunteering:** Assisting nursing staff in hospitals. Helping refugees from war-torn countries. Blood donor.
- **Interests:** Jungian Analysis, Genetic genealogy, Philosophy, Ancient civilizations, Global politics.

SKILLS

- **Linguistic/Cognitive:** Arabic (fluent), English (fluent), French (A1), Mixed handed/Ambidextrous.
- **Technical:** Microsoft Office, MATLAB, Maple, Fortran, Python, C++, COMSOL Multiphysics, LaTeX, Linux.

AWARDS

1. **Tahtawi Master Scholarship:** A scholarship from the French Institute of Egypt and Campus France, on behalf of the French government, covering my first semester and living expenses for the year 2017/2018.
2. **Cairo University Award:** Financial award throughout the years 2012/2013 & 2013/2014 of my undergraduate years for outstanding academic achievement.

REFERENCES

Available upon request.