



Christos Gagas

christosgagas.com

Mechanical-Industrial Engineer, recently established in Switzerland, passionate about operational excellence, problem-solving, and collaboration.

WORKING EXPERIENCE

Consultant | National Technical University of Athens

April 2024 - Present | As a member of Industrial Engineering Laboratory - NTUA | Athens, Greece

- Structured and delivered a 5-year strategic business-plan regarding future expansions of major IT consulting company.
- Analyzed and advised on approach of building new organizational unit and adding new services.
- Developed engagement conduct guide, 30+ templates and methodologies for the new business consulting unit.
- Analyzed sawn-wood production plan and operations of regional wood pallet manufacturer.
- Advised on approach of optimization of materials management and production planning.
- Assisted in in ERP Migration through advising on strategic production decisions and recording BOMs and routings.

Operations Intern | Aegean Airlines

July 2023 - August 2023 | In parallel with studies at NTUA | Athens, Greece

- Developed a flight-criticality ranking system to assist in decision-making during disruptions.
- Executed 100+ root-cause analysis of operational disruptions.
- Screened and sorted 50+ delay code disputes daily for accurate situational awareness of the execution of the flight plan.
- Monitored and analyzed operational metrics regarding aircraft based on maintenance and financial targets.

EDUCATION

Doctor of Philosophy – PhD (c) in Industrial Engineering | National Technical University of Athens

April 2024 – Present | Athens, Greece

- Provisional dissertation title: Development of a holistic framework for integrating machine learning into dynamic decision-making systems.
- Researched ways of integrating multi-step training on AI algorithms suitable for complex operational decision support where the performance of the outcome cannot be objectively measured.

Integrated Master's in Mechanical-Industrial Engineering | National Technical University of Athens

September 2018 – March 2024 | Athens, Greece


- Diploma Thesis in collaboration with *Aegean Airlines* regarding disruption management in airline operations.
- Developed multicriteria analysis system to assess criticality of flights more objectively combining 13 passenger, operational and financial metrics to improve situational awareness and assist in decision-making during disruptions of 400+ daily flights.

PROJECTS

Design Engineer | Revolving Catamaran 

July 2018 - November 2021 | Athens, Greece

- Designed, manufactured and evaluated in-water prototype of an innovative asymmetric catamaran sailboat.

Lead Engineer | F1 & 4x4 In Schools 

September 2015 – September 2017 | Kuala Lumpur, Malaysia – Coventry, England – Athens, Greece

- Designed and manufactured using Solidworks, a self-built wind tunnel and other R&D tests, 100+ configurations of a custom miniature car made to run 20m in 1sec using a CO₂ cartridge.
- Won 4 engineering awards in National and World Championship in STEM Competition endorsed by *Formula 1*.

TECHNICAL SKILLS

- Matlab, Python, SQL, R
- Microsoft Office (Advanced), Microsoft Power BI
- Microsoft Project, SAP, AIMS (Airline)
- Solidworks, AutoCAD, Onshape, Fusion360
- Flexsim, Simul8, ARIS, ConstrAXION, WordPress

VOLUNTEERING

- F1 & 4X4 in Schools mentor and judge

LANGUAGES

- English (Fluent)
- Greek (Native)