

PROFESSIONAL EXPERIENCE

MARTUR Fompak International – Mechanism Product Development Specialist (Full-Time); Torino *December 2024 – Present*

- Conducted R&D and mechanical design on manual and powered swivel units and height adjusters for automotive seat systems
- Led the mechanical design of the powered swivel unit for the 4S Smart Seat project, an Italian government-funded initiative integrating safety and health monitoring features into vehicle seating
- Carried out structural analysis using CATIA V5 FEA (GAE & ANL) and conducted motion behavior validation through DMU Kinematics to ensure design feasibility of swivel and height adjuster mechanisms
- Defined test specifications for seat mechanisms in compliance with ECE R14 and ECE R17 homologation requirements, ensuring alignment between design requirements and validation criteria
- Performed mechanical design and drafting (GD&T) of swivel and height adjuster mechanisms in CATIA V5, supporting the full product development cycle from concept to manufacturing
- Executed weight reduction studies on swivel mechanisms, achieving a 15% weight reduction compared to competitor benchmarks through design optimization
- Prepared Bills of Materials (BOM) and conducted cost and schedule analyses in MS Project, optimized project timeframes and expenses
- Coordinated with suppliers to track production timelines and ensure alignment with project milestones

MARTUR Fompak International – Manufacturing Specialist (Internship); Torino *August 2022 – October 2022*

- Worked on the FIAT 500e assembly line at a Tier 1 supplier to Stellantis, Renault, Volkswagen, and Ford, contributing to process improvement initiatives on a live production floor
- Participated in root cause analysis of production defects alongside engineers, supporting corrective action implementation
- Monitored live production operations and flagged process inefficiencies, contributing to downtime reduction efforts
- Carried out quality control inspections color, weight, and bending against OEM specifications to maintain consistent output standards

EDUCATION

Politecnico di Torino – Master of Science in Engineering and Management (Incomplete); Torino *September 2023 – March 2024*

Relevant Coursework: Financial Modeling; Corporate Finance, Corporate Governance and Finance; Organization & Management; Information Systems; Project Management

Politecnico di Torino – Bachelor of Science in Mechanical Engineering (Completed); Torino *September 2019 – September 2023*

Relevant Coursework: Machine Design; Engineering Drawing; Thermal and Hydraulic Machines & Fluid Power; Strength of Materials; Manufacturing Processes; Technology of Materials & Technology of Metallic Materials

Internship: Manufacturing Internship, MARTUR Fompak International - October 2022

Thesis: Supplier Quality and Evaluation Techniques

SKILLS & CERTIFICATIONS

Programs: CATIA V5 (DMU Kinematics, GAE, ANL-Abaqus), SolidWorks, Python, Claude Code, Microsoft Office, MS Project

Certifications: McKinsey Forward, Career Essentials in Project Management by Microsoft

Language Skills

- English, Advanced (C1-CEFR)
- Turkish, Native (C2-CEFR)

