ANDREA ESPOSITO

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EXPERIENCE

TESLA

Sr Technical Program Manager (Supply Chain), Charging. Palo Alto, CA   July 2023 - Present
- Overseeing entire direct materials supply chain for all charging products at Tesla. Responsible for supplier selection and industrialization during product development, and for supply quality and continuity after start of production.
- Ensuring successful product launches by creating and maintaining project timelines, identifying and mitigating risks, while coordinating the team's work based on priorities and available resources.
- Representing Supply Chain in meetings with Executive Team to provide updates on program status, highlighting schedule, cost, or quality risks, and outlining proposed solutions or mitigation steps.
- Currently building: Wireless Charging, V4 Cabinet, Optimus Charger. Previously launched: V4 Post, Prefabricated Supercharger, Magic Dock, Semi Megacharger.

GE AEROSPACE

Rotational program in manufacturing operations (OMLP) from March 2020 to April 2022.

Production Manager, Gears Manufacturing. Turin, Italy   July 2021 - Apr. 2022
- Managed production on high-mix machining line. Supervised 20 production associates, tasked mfg engineer and QE.
- Increased productivity 10% through effective leadership and technical solutions. Improved output, efficiency, and cost.
- Raised on-time-delivery by 30% by developing a web app for guiding production mix.

Technical Program Manager, Advanced Manufacturing Engineering. Turin, Italy   Nov. 2020 - July 2021
- Coordinated an integrated engineering team (design and mfg engineers) streamlining gears manufacturing process.
- Successfully navigated technical difficulties and conflicts combining communication and problem-solving skills.
- Eliminated entire groups of operations reducing cycle time (40%) and labor cost (10%) while improving yield (5%).

Lean Manufacturing Engineer, Materials Flow. Naples, Italy   Mar. 2019 - Nov. 2020
- Reduced gate-to-warehouse blocked inventory by over $70M through digital initiatives and stakeholders' engagement.
- Led the implementation of SAP warehouse management module to improve materials visibility and control.
- Coordinated construction work for re-layout of goods receiving area and set up of a new inbound warehouse.
- Set up and led daily "inventory reduction control center". Presented weekly to executive team in plant control center.

EDUCATION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, MA   2022 - 2023
MS, Supply Chain Management, GPA: 4.9/5
- Capstone project in partnership with BMW: "End-of-life inventory optimization through machine learning".
- Coursework: Supply Chain Analytics, Logistics Systems, Optimization Methods and Machine Learning.

POLYTECHNIC INSTITUTE OF TURIN, Turin, Italy

MS, Mechanical Engineering, GPA: 104/110   2016 - 2018
- Capstone: Designed a robotic cart for multi-axis alignment of 2-ton magnet for National Institute of Nuclear Physics.
- Erasmus scholarship: Semester abroad at the School of Industrial Engineering of Barcelona (Sept. 2017 – Mar. 2018).

BS, Mechanical Engineering, GPA: 99/110   2013 - 2016

SKILLS & PERSONAL INTERESTS

Project Management: MS Project, Jira, Confluence, Enovia PLM, Warp, SAP, Lean Six Sigma Green Belt.

Mechanical Design: Certified SolidWorks Professional, CAD and structural analysis, GD&T, APQP/PPAP.

Languages: Native Italian, Fluent Spanish. Coding: Python, SQL, HTML/CSS.

Community: Speaker and Mentor at Silicon Valley Fellowship, providing career guidance to Italian STEM students.