

ANDREA ESPOSITO

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EXPERIENCE

TESLA

Supply Chain Program Manager, Charging. Palo Alto, CA July 2023 - Present

- Oversee entire direct materials supply chain for DC and wireless charging, including mass production, NPI, and R&D.
- Coordinate a team of GSMs and SIEs on RFQs, supplier selection and industrialization, PPAP, BOM cost reduction.
- Represent Supply Chain in cross-functional initiatives, program-level strategy discussions, and reviews with leadership.

GE AEROSPACE

Rotational Program in Operations Management (OMLP) from March 2020 to April 2022.

Associate Production Manager, Gears Manufacturing. Turin, Italy July 2021 - Apr. 2022

- Oversaw production on high-mix machining line. Managed a shift team of 20 associates, 1 supervisor and 2 technicians.
- Drove improvements in output, efficiency and cost. Raised productivity by 10% by improving changeover technology.
- Developed an algorithm suggesting optimal production mix based on WIP position. Increased on time delivery by 20%.

Technical Program Manager, Advanced Manufacturing Engineering. Turin, Italy Nov. 2020 - July 2021

- Coordinated an integrated team (design and manufacturing engineering) streamlining gears production process.
- Eliminated entire groups of operations reducing throughput time by 40% and labor cost by 10% while improving yield.
- Successfully navigated technical difficulties and conflicts combining communication and problem-solving skills.

Lean Process Engineer, Inbound Inventory Management. Naples, Italy Mar. 2020 - Nov. 2020

- Reduced gate-to-warehouse blocked inventory by over 90% through digital initiatives and stakeholders' engagement.
- Set up and led daily inventory reduction control center. Presented weekly to executive team in plant control center.

Lean Process Engineer, Materials Flow. Turin, Italy Mar. 2019 - Mar. 2020

- Conducted value stream and capacity analysis for GE9x low pressure turbine (largest LPT in GE) assembly line.
- Formulated roadmap for yearly capacity expansions, created plan for every part and standard work procedures.

EDUCATION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, MA 2022 - 2023

MS, Supply Chain Management, GPA: 4.9/5

- BMW-partnered capstone project: End-of-life inventory optimization through machine learning.
- Google-sponsored PM hackathon 3rd place: Digital product for enhancing sustainability in e-commerce.

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: School of Industrial Engineering of Barcelona (Sept. 2017 – Mar. 2018).

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

- Italian engineering education emphasizes classical physics and engineering derived through first principles thinking.

SKILLS & PERSONAL ACHIEVEMENTS

Certifications: Lean Six Sigma Green Belt, Certified SolidWorks Professional, DDMRP Professional Planner.

Software/Coding: Jira, Confluence, Enovia, SQL, Python, SAP, SolidWorks, Siemens PlantSim, HTML/CSS

ME Technical Skills: CAD design and structural analysis, GD&T, APQP/PPAP.

Languages: Native Italian, Fluent English, Fluent Spanish.

Personal Interests: Brazilian Jiu Jitsu. Started clubs at MIT and Tesla. IBJJF European Championship 2018.

Community: Mentor at Lead the Future, providing one-to-one career guidance to top-performing Italian STEM students.