

# Academic Curriculum Vitae

Education	<i>Degree:</i>	PhD in Sustainable Energy and Technologies
	<i>Years:</i>	11.2024 – 11.2027
	<i>University:</i>	Free University of Bolzano
	<i>Degree:</i>	Master in Development, Production, and Management in Mechanical Engineering
	<i>Years:</i>	11.2020 – 04.2024
	<i>Final grade:</i>	1,4 (max:1 – min:4)
	<i>University:</i>	Technical University of Munich (TUM)
	<i>Term thesis:</i>	Development of a comparison assessment method for assistance systems in manual assembly lines
	<i>Master thesis:</i>	Framework for planning product recovery for an automated disassembly process in the automotive remanufacturing sector
	<i>Degree:</i>	Bachelor in Industrial and Mechanical Engineering Course of Study: Production and Logistics
	<i>Years:</i>	10.2017 – 10.2020
	<i>Final grade:</i>	110 cum laude (max:110 – min:66)
	<i>University:</i>	Free University of Bolzano
	<i>Bachelor thesis:</i>	Development of a Cyber Security Assessment for SMEs
Experience	<i>Period abroad:</i>	Erasmus+ Program at Karlsruhe Institute of Technology (KIT)
	<i>Title:</i>	Secondary High School with focus Foreign Languages
	<i>Years:</i>	2012 – 2017
	<i>Final grade:</i>	100 cum laude (max:100 – min:60)
	<i>Employer:</i>	Duka AG (Sanitary ware manufacturer)
	<i>Responsibility:</i>	Monitoring sustainability performance with environmental, social and governance indicators through digital solutions for the automatization of group-wide sustainability reporting
	<i>Job Title:</i>	PhD-Student with industry cooperation – Quality management
	<i>From/To:</i>	11.2024-10.2027
	<i>Employer:</i>	Free University of Bolzano
	<i>Responsibility:</i>	Research on sustainability reporting frameworks, sustainability performance indicators, digital solutions for real-time sustainability monitoring and sustainability reporting
	<i>Job Title:</i>	PhD-Student – Faculty of Engineering
	<i>From/To:</i>	11.2024-10.2027
	<i>Job Title:</i>	Research assistant – Faculty of Engineering
	<i>From/To:</i>	09.2024-10.2024
	<i>Employer:</i>	MHP Consulting – A Porsche Company
	<i>Responsibility:</i>	Active member in sustainability projects for the automotive industry, IT-process modeling projects and IT-product development projects for the manufacturing industry

	<i>Job Title:</i>	Working student – Management Consulting
	<i>From/To:</i>	09.2023 – 07.2024
	<i>Job Title:</i>	Intern – Management Consulting
	<i>From/To:</i>	03.2023 – 09.2023
	<i>Employer:</i>	Technical University of Munich
	<i>Responsibility:</i>	Coordination of lab courses and seminars, support in research projects on circular economy and sustainability
	<i>Job Title:</i>	Working student – Department of Mechanical Engineering
	<i>From/To:</i>	09.2022-12.2022
	<i>Employer:</i>	Porsche AG
	<i>Responsibility:</i>	Shopfloor management, inventory and audit preparation activities for body shop and paint, support to environmental management, energy, and occupational safety activities
	<i>Job Title:</i>	Working student – Plant logistics
	<i>From/To:</i>	01.2022 – 12.2022
	<i>Job Title:</i>	Intern – Plant logistics
	<i>From/To:</i>	08.2022 – 12.2022
<b>Publications</b>	<p>Design of Circular Manufacturing Systems: An Axiomatic Design Based Approach – [Redacted] – ICAD 2025, submitted paper</p> <p>An axiomatic design approach to modeling data collection for sustainability reporting in manufacturing – [Redacted] – EURECA-PRO 2025, submitted paper</p> <p>Sustainability performance monitoring and reporting a global comparison gaps and emerging solutions – [Redacted] – ISIEA 2025, submitted paper</p> <p>Examples of Potential Applications of Bio-intelligent Manufacturing – [Redacted] – in Procedia Computer Science, 2025</p> <p>Potential of Graph Database Visualization of the Supplier Network to Increase Resilience in Multi-Tier Supply Chains – [Redacted] – in International Scientific-Technical Conference MANUFACTURING, 2024</p> <p>Application of Life Cycle Assessment (LCA) in the Fast-Moving Consumer Goods Sector – [Redacted] – in International Scientific-Technical Conference MANUFACTURING, 2024</p> <p>A Cybersecurity Assessment Model for Small and Medium-Sized Enterprises – [Redacted] – in IEEE Engineering Management Review, 2021</p>	
<b>Languages</b>	German:	C1 (Zweisprachigkeitsnachweis Autonome Provinz Bozen)
	Italian:	C1 (Zweisprachigkeitsnachweis Autonome Provinz Bozen)
	English:	C1 (Cambridge Certificate)
	Spanish:	C1 (Diploma Cervantes)
	Portuguese:	A2
<b>Digital competence</b>	<p>Microsoft applications and Office package (Word, Excel, Powerpoint)</p> <p>Good programming skills (VBA), Basic programming skills (Matlab, Arduino)</p> <p>3D-layout planning and simulation (Vis Table, EMA)</p> <p>ERP systems (SAP, Microsoft Dynamics)</p> <p>Lifecycle Assessment Softwares (OpenLCA, Umberto)</p>	