

Curriculum Vitae

Education	Degree:	PhD in Sustainable Energy and Technologies
	Years:	11.2024 – 11.2027
	University:	Free University of Bolzano
	Degree:	Master in Development, Production, and Management in Mechanical Engineering
	Years:	11.2020 – 04.2024
	Final grade:	1,4 (max:1 – min:4)
	University:	Technical University of Munich (TUM)
	Master thesis:	Framework for planning product recovery for an automated disassembly process in the automotive remanufacturing sector
	Term thesis:	Development of a comparison assessment method for assistance systems in manual assembly lines
	Degree:	Bachelor in Industrial and Mechanical Engineering Course of Study: Production and Logistics
	Years:	10.2017 – 10.2020
	Final grade:	110 cum laude (max:110 – min:66)
	University:	Free University of Bolzano
	Bachelor thesis:	Development of a Cyber Security Assessment for SMEs
	Period abroad:	Erasmus+ Program at Karlsruhe Institute of Technology (KIT)
Experience	Title:	Secondary High School with focus Foreign Languages
	Years:	2012 – 2017
	Final grade:	100 cum laude (max:100 – min:60)
	Employer:	Duka AG (Sanitary ware manufacturer)
	Responsibility:	Monitoring sustainability performance with environmental, social and governance indicators through digital solutions for the automatization of group-wide sustainability reporting
	Job Title:	PhD-Student with industry cooperation – Quality management
	From/To:	11.2024-10.2027
	Employer:	Free University of Bolzano
	Responsibility:	Research on sustainability reporting frameworks, sustainability performance indicators, digital solutions for real-time sustainability monitoring and sustainability reporting
	Job Title:	PhD-Student – Faculty of Engineering
	From/To:	11.2024-10.2027
	Job Title:	Research assistant – Faculty of Engineering
	From/To:	09.2024-10.2024
	Employer:	MHP Consulting – A Porsche Company
	Responsibility:	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>	Support in research projects on circular economy and sustainability, coordination of lab courses and seminars
	<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>	Support to environmental management, energy, and occupational safety activities, shopfloor management, inventory and audit preparation activities for body shop and paint
	<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
Publications	Design of Circular Manufacturing Systems: An Axiomatic Design Based Approach – [Redacted] – ICAD 2025, submitted paper An axiomatic design approach to modeling data collection for sustainability reporting in manufacturing – [Redacted] – EURECA-PRO 2025, submitted paper Sustainability performance monitoring and reporting: a global comparison, gaps, and emerging solutions – [Redacted] – ISIEA 2025, submitted paper Examples of Potential Applications of Bio-intelligent Manufacturing – [Redacted] – in Procedia Computer Science, 2025 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 Application of Life Cycle Assessment (LCA) in the Fast-Moving Consumer Goods Sector – [Redacted] – in International Scientific-Technical Conference MANUFACTURING, 2024 A Cybersecurity Assessment Model for Small and Medium-Sized Enterprises – [Redacted] – in IEEE Engineering Management Review, 2021	
Languages	German:	C1 (Zweisprachigkeitsnachweis Autonome Provinz Bozen)
	Italian:	C1 (Zweisprachigkeitsnachweis Autonome Provinz Bozen)
	English:	C1 (Cambridge Certificate)
	Spanish:	C1 (Diploma Cervantes)
	Portuguese:	A2
Digital competence	Microsoft applications and Office package (Word, Excel, Powerpoint) Good programming skills (VBA), Basic programming skills (Matlab, Arduino) 3D-layout planning and simulation (Vis Table, EMA) ERP systems (SAP, Microsoft Dynamics) Lifecycle Assessment Softwares (OpenLCA, Umberto)	