

University Academic Curriculum Vitae

Education since leaving school

- 09.2018 - 09.2021, B.Sc. Industrial Engineering; Management Center Innsbruck (Grade: 1.59, Passed with honors) – Thesis: Development of a generic guideline for the concept planning of assembly systems in a multi-stage assembly production process
- 09.2020 - 02.2021 Semester abroad, University of Applied Sciences and Arts Northwestern Switzerland FHNW – focus on Supply Chain Management
- 09.2021 - 09.2023, M.Sc. Industrial Engineering; Management Center Innsbruck (Grade: 1.1, Passed with honors) – Thesis: Mathematical optimization in industry - minimizing external setup times in tool preparation

Professional experience

From / to	Job title	Name of Institution	Academic level	Responsibilities
15.12.23/ 15.12.24	AR	Free university of Bolzano	master	– Research activities
01.11.23/ 15.08.23	Lean Manager	Wilhelm Gronbach GmbH & Co KG	masters	– Development and implementation of lean strategy – Analysis and identification of potentials in processes and value streams – Initiating and leading lean projects and workshops – Providing expert advice and support to executives in implementing the lean mindset and addressing problems.
01.09.21/ 30.06.22	Supply Chain Manager	Intercable GmbH	masters	– Operational implementation of supply chain actions across multiple plants – Support of project launches and terminations. – Coordination and monitoring of medium- to long-term supply chain planning – Analysis of bottleneck systems and development of measures in collaboration with relevant departments
01.12.15/ 31.08.21	Production Planning / Assistant Head of production	Intercable GmbH	bachelors	– Leading and organizing production planning – Coordinating with assembly, mold making, project management, and sales – Coordination and planning of sample productions and pre-series productions. – Responsible for Lean and continuous improvement (KVP) – Maintenance and further development of MES software Proses
01.09.11/ 31.11.15	Production Planning	Intercable GmbH		– Fine- and rough planning of plastic production – Coordination with assembly, mold making, and sales departments. – Maintenance of master data and production bills of materials – Support and continuous development of MES Proses – Acting as a backup for work preparation during vacation periods

Language competence

German (mother tongue), English (B2), Italian (B2)

Further Education

Year	Title	Institution/ docent	Scope
2023	Optimization with Python: Solve Operations Research Problems	Udemy / Rafael Silva Pinto	13h
2023	Algorithmen und Datenstrukturen in Python	Udemy / Prof. Dr. René Brunner	13h
2022	Python for Data Science, Machine Learning & Visualization	Udemy / Prof. Dr. René Brunner	30h
2022	Python Bootcamp	Udemy / Jannis Seemann	31h
2019	Process Analyst	MCI & GP / Mario Moser	2 days
2018	Durch Selbstführung zur wirkungsvollen Führungskraft - From self-leadership to impactful leadership	Wifi - Prof. Dr. Mag. (rer. soc. oec) Anna Maria Pircher Friedrich	16h
2018	Power Rhetorik	Comment / Mag. Bernhard Ahammer & Mag. Wolf Hagen	10 days
2017	Shopfloor Management	StEP-Up / Ing. Thomas Burger Msc	2 days
2016	Lean Production – Green Belt	StEP-Up / Dipl.-Ing. (FH) Gernot Schieg, MSc	7 days
2015	Professionell disponieren – Professional scheduling and coordination	ÖPWZ / Dkfm. Mag. Walter Broschek, & Dipl.-Ing. Dipl.-Wirtsch.-Ing. Egon Eicher	2 days

Software Knowledge

Advanced: Microsoft Office, LaTeX, Python, Inventor, Proses MES/BDE, Radix ERP, Visual Basic, Zotero

Basic: FlexSim, Matlab, SAP S4/H & IBP, SQL, Umberto LCA

Additional Knowledge

Advanced: Data science, Lean Six Sigma, Operational excellence, Process management, Operations research

Basic: Additive manufacturing, Injection molding, Accounting, Product development, Project management, IoT

Developments & Projects

- IoT 3d printed time cube with database, microcontroller, software, and app. Developed during an MCI lecture. My part was the construction of the database and the development of the data analysis with visualization. The evaluation and visualization were done with Python using Streamlit. Date: winter semester 2022/23
- Development of mathematical model for optimization of tool storage. The model was developed based on the initial situation in the company Intercable with the programming language Python using the SCIP solver integrated in OR-Tools. It also forms the central basis of the master thesis. Date: 2022/23
- Development of a prototype mathematical model for the optimization of strategic production planning based on Python. Date: 2022
- Project in the semester abroad at the FHNW: "Identification and optimization of losses in the assembly line 11er" in elaboration with the company Glutz. Date: 2020
- Development of a Visual Basic based application with Access database to manage shares. Date: 2015 until today
- Development of various Visual Basic based applications for Intercable Gmbh. For example: Management tool for test equipment and retain samples. Date: 2017

Presentations & workshop

Support of the master lecture "Production Simulation" at MCI as a tutor. The main task is the technical and conceptual support for the students in the execution of their projects in the field of simulation.
Date: Oktober 2023 until December 2023

Teaching Assistant at University of Bolzano, in the subject "Produktionssysteme und Industrielogistik"
Date: November 2023 until February 2024

05.08.2024