

# University Academic Curriculum Vitae

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**Name** Lars Jakobs

**Education since leaving school**

- 09.2017 - 09.2020, B.Sc. Mechatronics; Management Center Innsbruck (Grade: 1.53)
- 08.2019 - 12.2019 Semester abroad, Universidad de Deusto Bilbao
- 09.2020 -11. 2022, M.Sc. Industrial Engineering; Management Center Innsbruck (Grade: 1.41)
- 09.2021 - 02.2022 Semester abroad, Instituto Superior Tecnico Lisboa

**Professional experience**

From / to	Job title	Name of Institution	Academic level	responsibilities
01.03.22 / 28.02.23	Project Analyst	EFS Consulting GmbH	masters	Positioning and development of consulting services in the context of sustainability
15.03.22/ 15.07.22	Commissioned Researcher	Free University of Bolzano	masters	Research project "Sustainability Assessment Tool" for Standortagentur Tirol and NOI Techpark
01.02.22/ 31.07.22	Working Student	Felder Group KG	masters	Starting the project of virtual commissioning in the field of CNC milling. Development and validation of virtual models
05.01.20/ 31.07.20	Thesis + Intern	BMW AG	bachelors	Leading and implementation of a company-wide benchmark as a part of my bachelor thesis Title of the thesis "Process analysis and experimental implementation of a virtual commissioning"
01.07.19/	Intern	Romberger Maschinenfabrik GmbH	bachelors	Support of the manufacturing of conveyor systems as well as independently performing individual manufacturing projects
01.07.18/ 18.08.18	Working student	Wacker Chemie AG	bachelors	Support of a fully automated production line Acquisition of the traditional manufacturing techniques in metal processing

**Statement of interest**

Within my master thesis with the title "Development of Sustainability Assessment Tool for Manufacturing Companies" I was able to build up an expertise in the field of sustainability assessment of manufacturing companies. In the context of my thesis, I was also able to acquire a sound knowledge of life cycle assessment, which is deepened by a basic skill level of the LCA software "openLCA".  
In addition to general sustainability, I have also already gained various concepts and experiences on decarbonization and circular economy through workshops, lectures and webinars, which were attended out of intrinsic

motivation which accordingly shows my motivation for this topic.  
 In addition to this expertise in the context of sustainability, I was able to gain further diverse experience through activities in the manufacturing sector. Here, for example, I was able to deal intensively with the digitalization of production in the area of mechanical manufacturing at BMW as part of my bachelor's thesis. In addition that I also gained expertise on the manufacturing of SMEs since I worked in the production of an SME which builds conveying systems.

**Software knowledge**

Advanced: Microsoft Office, LaTeX, Catia V5, Siemens NX, C, C++, Matlab, LabVIEW, Siemens MCD, Siemens SIMIT  
 Basic: openLCA, ISG-virtuos, fe.screen, Flexsim

**Language competence**

German (mother tongue), English (C1), French (B2)

**Extracurricular activities**

From / to	Job title	Name of Institution	responsibilities
01.10.20 / 31.07.22	Student Consultant	Icons – consulting by students	<ul style="list-style-type: none"> <li>- Student consultancy: division manager as Head of IT</li> <li>- Developed a market entry strategy for a start-up in the chip industry</li> <li>- Performed various projects, e.g. market analysis for a health tech company</li> <li>- Acquisition of several projects, preparation of various contractual offers</li> <li>- Hosting Workshops e.g. about CVs, Powerpoint</li> </ul>
1.10.18 / 30.09.19	Design Engineer	Campus Tirol Motorsport	<ul style="list-style-type: none"> <li>- Interdisciplinary team of students to develop an electric race car for Formula Student</li> <li>- Design and manufacture of various components on the rolling chassis frame for electrical components</li> </ul>

**Driving license** B

25.03d.2023