



# Jarom Schlien

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Aerospace engineering student at Technical University of Munich with hands-on experience in FEM modeling, mechanical design and python programming. Eager to contribute to innovative aerospace projects to further develop my skills as an engineer.

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## Education

**Bachelor of Science Aerospace**, Technical University of Munich

*Bachelor's Thesis: „Automatised Parametrisation and FE Meshing of an Aircraft Wing Box“*

*Thesis Submission: 31/10/2025 (standard period of studying/“Regelstudienzeit“)*

**High School Diploma (Abitur)**, Oscar-Paret-Schule, Freiberg a.N., Germany

*Graduation: 07/2021*

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## Professional Experience

**Mechanical Design Engineer- Horyzn Student Team** TUM | 07/2024 - Present

- Working on landing gear design for a ~400kg heavy manned drone
- Conducting research on industry standards and writing technical requirements
- Performing CAD modeling and FEM simulations

**Student Assistant - Chair of Aerospace Structure Design** TUM | 10/2024 - 03/2025

- FEM modeling of aerospace structures for research and teaching purposes
- Python programming of automatized response tool for Bachelor applicants

**Working Student - MTU AeroEngines** Munich | 10/2023 - 05/2024

- Supported final inspection and maintenance coordination (worked with SAP & Teamcenter)
- Managed communication with an external supplier, including technical requirement analysis and document authorization
- Developed a VBA-based selection tool for a company-wide production event involving more than 200 participants

**Pre-Study Intern - teamtechnik** Freiberg a.N. | 07/2022 - 09/2022

- Learned metal-processing techniques: welding, milling, turning, drilling
- Introduction to CAD with Solidworks

**Sales Clerk - The Crusty Bun**, Winnipeg, Canada | 03/2022 - 06/2022

- Handling the cash register
  - Selling baking goods
  - Putting a smile on our customers' faces
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### Languages:

- German: mother tongue
- English: fluent
- French: B1
- Spanish: A2

### Software & Programming:

- Hypermesh, Optistruct, Nastran
- Solidworks, Catia V5
- Ansys CFD
- Microsoft Office, Teamcenter
- C++, Python, Excel-VBA

### Hobbies:

- Football  
(played federal finals of *Jugend trainiert für Olympia* in Berlin)
- Music production (FL Studio)
- Cooking