

Michael Vogl

Mechanical Engineering Student

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[Hammer 7, 93464 Tiefenbach, Germany](#)

Mechanical engineering student specializing in Energy and Process Technology with hands-on research experience in Computational Fluid Dynamics (CFD) and combustion processes. Strong background in CAD design, simulation, and practical engineering.



PROFESSIONAL EXPERIENCE

VSRP Research Internship – KAUST

Aug – Dec 2025

King Abdullah University of Science and Technology, Thuwal, Saudi Arabia

- CFD simulation of Flame Spray HVOF process using Hydrogen as fuel
- Shock Tube experiments with Gas Chromatography (GC) analysis for combustion kinetics

Technical Internship – Chamber of Skilled Crafts (HWK)

2021 – 2022

6-month rotation through departments: metal construction, CNC turning, electrical engineering, carpentry, welding, and CAD design

CAD Draftsman Internship

Aug 2020

Technical drawing and CAD design work for mechanical components

Sawmill & Forestry – Vogl Family Business

Ongoing

Repair and maintenance of Francis and Kaplan turbines, construction of carpports and barns, carpentry work

EDUCATION

B.Eng. Mechanical Engineering – OTH Regensburg

Since 2023

Specialization: Energy and Process Technology

Fachabitur – Fachoberschule Cham

2021 – 2023

Advanced Technical College Entrance Qualification, incl. 6-month HWK internship

Wirtschaftsschule – Ludwig-Erhard-Schule Waldmünchen

2017 – 2021

State Business School

TECHNICAL SKILLS

CAD Software

Fusion 360, SolidWorks, Siemens NX, Solid Edge

Simulation & CFD

Computational Fluid Dynamics, Combustion Simulation, Process Modeling

Programming & Tools

MATLAB/Simulink, MS Office

Laboratory Skills

Gas Chromatography, Shock Tube Experiments

LANGUAGES

German: Native (C2)

English: Advanced (C1)

INTERESTS & ACTIVITIES

3D Printing, Chess, Hunting (Certified Weapons Instructor), Woodturning & Carpentry

CERTIFICATIONS

Driver's License (Class B)