

Curriculum Vitae

Personal Information

Name	Stang, Julian Dwain
Address	Adunistrasse 15, 81369 Munich, Germany
E-Mail	julian.stang@web.de
Mobile	+49 175 2300190
Nationality	German
Date of Birth	13 December 1996

Work Experience

10/2019 - today	Student Assistant at the Chair of Vibro-Acoustics of Vehicles and Machines, Technical University of Munich (TUM) <ul style="list-style-type: none">• Development of Fourier Neural Operators (since 01/2021)• Development of Physics-Informed Neural Networks (until 12/2020)• Programming of vibro-acoustic applications (until 06/2020)• Tutor for Engineering Mechanics 3, Dynamics (until 03/2020)
10/2019 - 02/2020	Working Student at the Department of Optical Systems, OHB System AG <ul style="list-style-type: none">• Python programming for optical simulation of space instruments• Implementation of unit tests and automatic generation of software documentation• Agile software-development (GitLab & Jira)
05/2019 - 08/2019	Student Assistant at the Chair of Aerodynamics and Fluid Mechanics, Technical University of Munich (TUM) <ul style="list-style-type: none">• Tutor for Fluid Mechanics 1
09/2018 - 02/2019	Working Student at Siemens eAircraft in Sales & Business Development (Siemens AG, now Rolls Royce Electrical) <ul style="list-style-type: none">• Supporting of sales executives in Business Development
01/2018 - 03/2018	Student Assistant at the Chair of Thermodynamics, Technical University of Munich (TUM) <ul style="list-style-type: none">• Maintaining the chair's library

Education and Training

10/2020 - today	Master of Science (M.Sc.) Development, Production, and Management in Mechanical Engineering at the Technical University of Munich
10/2019 - today	Master of Science (M.Sc.) Aerospace at the Technical University of Munich (TUM)
Term Paper	<i>Embedding the Helmholtz Equation in Neural Networks</i> , Local Grade: 1.0
10/2016 - 09/2019	Bachelor of Science (B.Sc.) Mechanical Engineering at the Technical University of Munich (TUM), Local Grade: 2.6
Bachelor's Thesis	<i>Deep Learning in Vibroacoustic Design Processes</i> , Local Grade: 1.3
09/2007 - 06/2015	High School Diploma, Christoph-Probst-Gymnasium Gilching, Local Grade: 2.1

Awards and Certificates

02/2020 - 02/2025	Basis Certificate Project Management (Level D), Issued by the German Society for Project Management (GPM)
07/2018	First Place in "Film ab!" , a student competition at the Department of Mechanical Engineering of the Technical University of Munich (TUM)
06/2015	Special Award for Outstanding Achievements in Physics during A-Level Examinations, Issued by the German Physical Society (DPG)

Personal Skills and Competences

Languages

German	Native
English	Fluent
French	Basic (Delf A1)
Spanish	Basic
Japanese	Basic

Social Skills and Competences

04/2019	Baseline Competence Teaching , Education in University Teaching at the Center of Key Competencies of the Technical University of Munich (TUM)
05/2018 - 07/2018	Additive Manufacturing Project at the Chair of Machine Elements (FZG) and the Chair of Micro Technology and Medical Device Technology of the Technical University of Munich (TUM)
10/2016 - 07/2017	Participation at the Tutorsystem during Undergraduate Studies at the Department of Mechanical Engineering of the Technical University of Munich (TUM)

Technical Skills and Competences

Programming Languages	Python (<i>advanced</i>), Julia (<i>proficient</i>), C/C++ (<i>intermediate</i>), MATLAB (<i>intermediate</i>)
Frameworks	Numpy, Scipy, Pandas, TensorFlow, PyTorch, Matplotlib, Selenium, Sphinx
High Performance Computing	CUDA (<i>proficient</i>), OpenACC (<i>proficient</i>)
Other	Microsoft Office (<i>advanced</i>), Latex (<i>advanced</i>), Git (<i>intermediate</i>), Jira (<i>proficient</i>)

Munich, 08 March 2021

Julian Dwain Stang