**Jousef Murad**

**KIT Karlsruhe, Germany**

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**WORK EXPERIENCE**

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| --- | --- |
| 2021 | **Product Marketing Engineer, SimScale GmbH, Munich**   * Forum manager and full-time support for users in the field of FEA, CFD and Thermal Analysis. Responsible for over 150 Formula student teams & 150 educators from top universities all over the world * Community building by recruiting Power Users to grow the overall user engagement |
| June 2019 -  March 2020 | **Research Assistant, Karlsruhe Institute of Technology (KIT)**   * Tutor 100+ students in numerical methods like the finite difference (FDM) and finite element method (FEM), computational fluid dynamic problems as well as design of experiments (DoE) and their implementation inside of MATLAB |

**EDUCATION**

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| --- | --- |
| 2017 -  2021 | **Karlsruhe Institute of Technology (KIT) - MSc Mechanical Engineering**   * Focus: Computational Mechanics & Fluid Dynamics |
| 2019 | **Shanghai Jiao Tong University - Innovation and Entrepreneurial Studies**   * Top of the year, G Joint Summer School with Karlsruhe Institute of Technology and Shanghai Jiao Tong University |
| 2011-  2017 | **Karlsruhe Institute of Technology (KIT) - BSc Mechanical Engineering**   * Focus: Dimensioning and Validation of Mechanical Constructions (Finite-Element Method) |

**NOTABLE PROJECTS**

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| 2019 | **Linear Stability Analysis for Plane Poiseuille Flow**   * Stability analysis of a plane channel flow |
| 2018 | **Lattice Boltzmann Method**   * Analysis of a lid-driven cavity and the von Kármán Vortex Street |

**CERTIFICATIONS**

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| 2020 | **Deep Learning Nanodegree (Udacity)**   * Doing the Deep Learning Nanodegree from Udacity learning about NNs, CNNs, RNNs, GANs and how to deploy a model |
| 2019 | **Dynamore**   * Introduction to LS-DYNA, Introduction to LS-PrePost, Nonlinear implicit analyses |

**SKILLS & INTERESTS**

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| Computer Language | Python, Maple, Matlab |
| Modeling & Simulation | Creo, Tecplot, OpenFOAM, LS-Dyna, SimScale, Ansys Mechanical & Fluent, Abaqus |
| Interests | Gaming, Trading, Artificial Intelligence |