

Dennis Heyser

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Date of Birth: February 11th, 1992

Brief CV

05/2020 – expected 04/2025 **PhD Student at the *Institute of Applied Dynamics, Technical University of Darmstadt***
Research Topic: Modeling and Simulation of Drilling Processes

10/2017 - 04/2020 **Master Student at the *Technical University of Darmstadt***
Degree: M.Sc. Mechanics
Thesis: Simulation and Stability Analysis of Drilling Processes

10/2014 - 09/2017 **Bachelor Student at the *Frankfurt University of Applied Sciences***
Degree: B.Eng. Mechanical Engineering
Thesis: Evaluation and Correlation of Virtual Strains in a Multiaxial Front Suspension Test Rig with Adams/Car (in cooperation with *Opel Automobile GmbH*)

10/2013 - 06/2014 **Work and Travel** in Australia

08/2012 - 07/2013 **Employee at *Ringspann GmbH*, Bad Homburg, Germany**
Job Title: Cutting Machine Operator

08/2008 - 06/2011 **Apprentice at *Ringspann GmbH*, Bad Homburg, Germany**
Vocational Job: Cutting Machine Operator with early journeyman's examination

Awards

07/2022 ***Young Scientist Award*** for the “best oral presentation” at the *10th European Nonlinear Dynamics Conference (ENOC 2022)*

02/2018 ***Hans-Messer-Preis*** for “excellent exam results” at the *Frankfurt University of Applied Sciences* awarded by the *Chamber of Commerce and Industry (IHK) Frankfurt/Main, Germany*

11/2017 ***VDI-Preis*** for “excellent performance in the study of mechanical engineering” at the *Frankfurt University of Applied Sciences* awarded by the *Association of German Engineers (VDI)*

Skills

Languages: German (native language)
English (fluent spoken and written)

Software: Programming: Matlab, Python, G-Code CNC Programming
CAD: Solid Edge, CREO Parametric, Siemens NX
Simulation: ADAMS, Abaqus, Ansys, Altair Hyperworks