

Keno Beck

Dipl. Ing.

Personal Information
upon request



As an **Aerospace Engineer** with a specialisation in **3D Printing**, I have developed an in-depth understanding of technology and a passion for innovation. I am eager to link this with my understanding of business, to development and implementation innovative technologies to meet the demands of the future with a global perspective and a focus on efficiency.

IT Proficiency

Office Suites <i>(MS office, Apple iWork)</i>	■ ■ ■ ■ ■
ERP <i>(SAP, AMOS)</i>	■ ■ ■ ■ ■
CAD <i>(Solidworks, Autodesk)</i>	■ ■ ■ ■ ■
Programming <i>(Java, Python, VBA, GCode)</i>	■ ■ ■ ■ ■
FEM <i>(ANSYS, PATRAN/NASTRAN)</i>	■ ■ ■ ■ ■
Multimedia Editing <i>(Photoshop, Final Cut)</i>	■ ■ ■ ■ ■

Language skills

English <i>Native (bi-lingual)</i>	■ ■ ■ ■ ■
German <i>Native (bi-lingual)</i>	■ ■ ■ ■ ■
Mandarin <i>Elementary Proficiency</i>	■ ■ ■ ■ ■

Social Engagement

- Student Representative at the **University Excellence Initiative**
TU Dresden, 2019
- Build Crew at **Akaflieg Dresden**
Dresden, 2015 - 2019
- Introduction and Leadership of **Model United Nations**
Heidelberg Int. School, 2013 - 2014
- Volunteer at **Saint Andrew's Autism Centre**
Singapore, 2011 - 2012

References

Upon Request

Experience

Research assistant | **Fraunhofer IWS**

Apr. 2019 - Aug. 2019, Germany

Thesis Topic: *Process development for the additive manufacturing of novel metallic materials through Fused Filament Fabrication*
Thesis resulting in: Published paper, Project Board Presentation in March 2020 (Metal-Fused Filament Fabrication of High Entropy Alloy CANTOR, HEA Symposium, Fraunhofer IWS Dresden), Scheduled Talk in September 2020 (Filament Fabrication of High Entropy Alloys, ICHM 2020, Berlin).

Student trainee | **Elbe Flugzeugwerke**

Sep. 2017 - Apr. 2019, Germany

Active role in numerous digitalisation / continuous improvement projects
Experience in project-management and coordination
Thesis Topic: *Development of a strategy for the implementation of digital jobcards with networking capabilities in the aircraft conversion and maintenance industry*

Research assistant | **Centre for Languages and Culture**

Dec. 2016 - Jan. 2017, Germany

Setup of an online learning platform for Business English

Metalworking internship | **Delius & Knapp**

Jul. 2014 - Aug. 2014, Germany

Metal working experience (welding, cutting, processing stainless steel & aluminium)

School internship at **British Airways Engineering**

Jun. 2012 - Jul 2012, Singapore

Post-flight checks for British Airways Engineering

School internship at **Singapore Aero Engine Services**

Jun. 2012 - Jul 2012, Singapore

Observation of Rolls Royce Trent turbine overhaul and maintenance as well as a first introduction to work order handling

Awards

Fraunhofer IWS Award 2019

For the thesis "additive manufacturing of novel metallic materials"

Student Achievement Award

Heidelberg Int. School, 2014

Passions and Hobbies

