

JULIAN HAARDT



AUTOMATION ENGINEER &
DESIGN ENTHUSIAST

CONTACT

- Berlin, Germany
- Contact me via my website
- www.haardt.design

SKILLS

PROFESSIONAL

- 3D – Printing
- Robotics
- PLC
- Microcontroller

TOOLS

- CAD:
 - Fusion 360
 - PTC Creo
 - CATIA V6
 - Inventor
 - NX10
- PROGRAMMING:
 - C
 - C++
- ROS
- LABVIEW

LANGUAGES

- GERMAN**
NATIVE
- ENGLISCH**
FLUENT (C1)

INTERESTS

- Product-/Industrial Design
- Maker Culture
- Australian Football

PROFILE

I am an **engineer** in the fields of **mechatronics** and **automation** with a focus on **3D printing** and **robotics**. As a design-loving tinkerer and a big fan of the **maker culture**, I regularly create my own everyday **design objects**, automate my household items or further develop my 3D printer. Through my **studies** and **apprenticeship**, I have become proficient in automation, design and manufacturing processes, as well as the handling of machine tools and the electrical workshop.

EDUCATION

- PRODUCTION ENGINEERING M.S.C.** | 04/2016 – 01/2021
Technical University – Berlin
 - Specialization in Automation and Information Technologies
 - Thesis: Force controlled assembly with industrial robots under high tolerance requirements (German)
- EXCHANGE SEMESTER** | 09/2017 – 01/2018
University of Technology and Economics – Budapest
- MECHATRONICS B.ENG.** | 10/2012 – 07/2016
Beuth University of Applied Sciences – Berlin
 - Thesis: Investigation of the influencing variables in dry-EDM with the aid of Design of Experiments (German)
- COLLEGE ENTRANCE QUALIFICATION** | 08/2011 – 06/2012
Ludwig-Geißler-Schule – Hanau
- APPRENTICE MECHATRONICS TECH.** | 09/2007 – 01/2011
SAMSON AG – Frankfurt am Main

EXPERIENCE

- INTERNSHIP PRODUCTION ENG.** | 04/2018 – 05/2018
Pyot Labs GmbH – Berlin
 - Development of a filament sensor for FDM-Printing
- INTERNSHIP MECHATRONICS** | 10/2015 – 12/2015
IHLE Maschinenbau GmbH – Berlin
 - Designing of an inclined conveyor for paper cylinders with varying diameters.
- MECHATRONICS TECH.** | 01/2011 – 05/2011 & 07/2012 – 08/2012
SAMSON AG – Frankfurt am Main