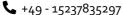
Yunchi Gu

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https://g-ych.github.io





EDUCATION

University of Stuttgart

2020

Stuttgart, Germany

M.S. in Mechanical Engineering / Materials and Production Engineering

Nanjing Tech University

Nanjing, China

B.S.E. in Welding Technology and Engineering

Sept. 2013 – June 2017

Stuttgart, Germany

Aug. 2019 - Feb. 2020

Expect: Oct. 2017 – Oct.

INTERN EXPERIENCE

Robert Bosch GmbH

Intern | Engineering Center of Competence – Reliability of Metals (PS/EAT4)

· Literature retrieval and failure mechanism diagnose

- · Preparation, implementation and evaluation of fatigue test
- · Fracture analysis with microscope and SEM
- · Assist the vibration test and resistance test
- · Optimize the analytical and experimental methods

Kaichuanze Machinery Equipment Co., Ltd

Intern

CAD Drawing

· Simulation and analysis of welding temperature field and stress field

Nanjing, China Feb. – March 2017

PROJECT EXPERIENCE

Stabilization of Zirconia by a co-milling process with yttria and neodymia

Research Project | IFKB, Uni-Stuttgart

Oct. 2018 – April 2019

- · Grinding and preparation of ceramic powder
- · Measure the granularity of ceramic powder
- · Preparation of sample with sintering, grinding, lapping and polishing
- · Measure and analyze the Mechanical properties

A Deep Learning approach to traffic sign classification in fog via single pixel camera

 ${\it Master Thesis} \ | \ {\it ITO, Uni-Stuttgart}$

Expect: Feb. – Sep. 2020

- · Drive lane detection and simulation of fog
- Compressive sensing and coded aperture
- · Deep learning with Keras

Professional Skills

Skilled in Python, Keras, AutoCAD and MS. Office Familiar with OpenCV, PIL and Numpy

Good theoretic knowledge on deep learning and computer vision

Language

English	Fluent both in written and spoken, CET-6
German	Excellent both in written and spoken, TestDaF 16