

HAIWEN HUANG

+49 15252100386 | andrehuang0@gmail.com

EDUCATION

University of Tübingen, Tübingen, Germany

Jan. 2022 –

PhD candidate in Machine Learning

- Autonomous Vision Group, Bosch Industry-on-Campus lab
- Supervisor: Andreas Geiger, Dan Zhang
- PhD topic: Open-world recognition in complex scenes

University of Oxford, Oxford, UK

Oct. 2020 – Sept. 2021

Master of Science in Computer Science, Department of Computer Science

- **Distinction**
- Dissertation: “On Representation Learning for Deterministic Uncertainty Estimation”
- Supervisor: Yarin Gal

Peking University, Beijing, China

Sept. 2015 – July 2019

Bachelor of Science in Information and Computing Science, School of Mathematical Sciences

- Cumulative GPA: 3.73/4.00, Major GPA: 3.80/4.00
- **Outstanding Graduate of Beijing** (top 1% in the university)
- Advisor: Bin Dong

University of California, Los Angeles, USA

Sept. 2017 – Feb. 2018

Exchange Student in Department of Statistics

- CSC Scholarship Recipient
- GPA: 4.0/4.0
- Advisor: Yingnian Wu, Songchun Zhu

WORK EXPERIENCE

Megvii Research, Beijing, China

July 2019 – Sept. 2020

- **Research scientist**
- Advisor: Xinyu Zhou

SELECTED PUBLICATIONS

-
1. **Haiwen Huang**, Andreas Geiger, and Dan Zhang. “*GOOD: Exploring geometric cues for detecting objects in an open world.*” ICLR 2023
 2. **Haiwen Huang**, Joost van Amersfoort, Yarin Gal, “*Decomposing Representations for Deterministic Uncertainty Estimation.*” Bayesian Deep Learning workshop at NeurIPS 2021.
 3. **Haiwen Huang**, Zhihan Li, Lulu Wang, Sishuo Chen, Xinyu Zhou, Bin Dong, “*Feature Space Singularity for Out-of-distribution Detection.*” (Best Paper Candidate) Safe AI 2021 workshop at the AAAI-2021 conference.
 4. **Haiwen Huang**, Chang Wang, and Bin Dong. “*Nostalgic Adam: Weighting More of the Past Gradients when Designing the Adaptive Learning Rate.*” IJCAI 2019.

SELECTED AWARDS AND HONORS

Outstanding Graduate of Beijing. The highest honor for graduates in Beijing. Top 1% in the university. 2019

Yang Fuqing & Wang Yangyuan Academician Scholarship. Top 1% in academic merit and potential. 2016