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,   Rank: 7/162
- **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, Jian Sun

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