

# Curriculum Vitae

## Personal Information

Name: Likun Fang

Date of Birth: 22/08/1995

Address: Haid-und-Neu Str 16, 76131 Karlsruhe, Germany

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Email: [fang@teco.edu](mailto:fang@teco.edu)

## Research Interests

Human-Computer Interaction, On-skin actuators, Haptics, Printed electronics

## Academic Qualifications

11. 2019 – 2023

### Karlsruhe Institute of Technology

PhD student, Ubiquitous Computing, Department of Informatics, Karlsruhe, Germany

Supervisor: Prof. Dr. Michael Beigl

09. 2017 – 09.2018

### University of Bristol

Master of Engineering, Robotics, Faculty of Engineering, University of Bristol, England, United Kingdom

Supervisor: Prof. Dr. Jonathan Rossiter

Thesis Topic: Edible robotics

09.2013 – 06.2017

### Northeastern University

Bachelor of Engineering, Mechanical Engineering, School of Mechanical Engineering and Automation, Northeastern University, Shenyang, China

## Experience

03.2019 - 09.2019

### Harbin Boshi Automation Co. LTD

Algorithm Developer,

Project: Industrial robots automatically avoid obstacles and route optimization, Harbin, China

10.2018 - 01.2019

### University of Nottingham Ningbo China

Research Assistant,

University of Nottingham Ningbo China, Ningbo, China

## Awards & Honors

Best paper award, ACM Ubicomp/ISWC 2020 (**CORE: A\***)

## Publications

Pescara. E, Stubenbord.A, Röddiger. T, **Fang.L** and Beigl. M, "Where Should I Look? Comparing Reference Frames for Spatial Tactile Cues", UbiComp/ISWC '21: 2021 ACM International Joint Conference on Pervasive and Ubiquitous Computing and 2021 ACM International Symposium on Wearable Computers. **CORE: A\***

**Fang. L**, Röddiger. T, Schmid. F and Beigl. M, "EarRecorder: A Multi-Device Earable Data Collection Toolkit", AHs '21: Proceedings of the ACM Augmented Humans International Conference 2021.

**Fang. L**, Röddiger. T, Sun. H, Willenbacher. N, and Beigl. M, “FLECTILE: 3D-printable soft actuators for wearable computing”, UbiComp/ISWC '20: 2020 ACM International Joint Conference on Pervasive and Ubiquitous Computing and 2020 ACM International Symposium on Wearable Computers. **CORE: A\* Best Paper Award.** 🏆

### **Advisory & Examination Activities**

*MSc students*

- Chaofan Li: “An Earable Interactive System Based on Head Motion Recognition from the Data Captured from IMUs” (2020 - 2021)
- Sujiang Wang: “Development of A Soft Capacitive Proximity Sensor” (2020 - 2021)
- Ting Zhu: “Design Optimization of 3D-Printable Soft Actuators for Wearable Computing ” (2021)
- Dominik Flohs: “Passive Haptic Learning – Passive Learning of Lateral Movements in Piano Songs”(2021-2022)

BSc Students

- Felix Schmid: “EarableCompanion: A Multi-Device Earable Data Collection Toolkit ” (2020)
- Malte Reimann: “On-skin Electromagnetic Haptic Actuator For Mixed Reality and VR Application”(2021)
- Timo Müller (2021-2022)