

Fan ZHANG

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Profile

Since
08/23

Assistant Professor in Robotics Xi'an Jiaotong-Liverpool University

Suzhou, China

- Manage research project and international collaborations, develop project milestones and deliverables, track progress and stakeholder management
- Module Leader for RBE403TC-2023/24-S1B2 Intelligent Robotics and Applications
- Teach and supervise Final Year Projects
- Global Engagement Officer at the School of Robotics

12/19-
07/23

Research Fellow in Cognitive Robotics University of Birmingham

United Kingdom

- Establish laboratory experiments and online experiments, data collection and analysis (MATLAB, JavaScript, Python, Google Firebase)
- Build cognitive robotics with customized 6-DOF robotic manipulum that simulates human behaviors (MATLAB object-oriented programming, RNN, CNN)
- Apply novel statistical model and data fitting for continuous human data set in different scales (PCA, nonlinear regression, t-SNE, clustering, grid search)
- Teach and supervise graduation projects in statistics and modelling (MATLAB, Python, R)

12/18-
07/19

Consumer Knowledge Researcher (Postdoc) Delft University of Technology Procter & Gamble

The Netherlands
Germany

- Lead research topic and manage project deliverables, draft research proposals
 - Design and conduct experiments for measuring customer's multisensory experience
 - Provide guidelines for improving consumer research and product design process
- Coordinate between TUD and P&G's R&D, marketing, product design, engineering teams

Qualifications

11/13-
11/18

Ph.D. in Human Information Communication Design Delft University of Technology

The Netherlands

- Thesis: *On Probing Appearance: Testing Material-Lighting Interactions in an Image-based Canonical Approach*

09/12-
09/13

M.Sc. in Robotics King's College London

United Kingdom

- Graduate with Distinction
- Thesis: *A Neural Network (CNN) for Solving the Stereo Correspondence Problem*

09/07-
07/11

B.Eng. in Mechanical Engineering and Automation Shanghai Jiao Tong University

China

- Thesis: *The Identification of Tool Cutting Condition Based on Acoustic Emission Signal*

SKILLS

Programming:	MATLAB, Python, JavaScript, OpenGL/SL (C type)
Statistical Analysis:	MATLAB, R, SPSS
Design and Manufacturing:	Blender, Unity, Maxwell, Photoshop, AutoCAD
Language:	Mandarin Chinese (native); English (proficient); Dutch (A2)