

# YANWEI MIAO

HCI Researcher  
UX Designer

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miaoyanwei.github.io

## INTEREST

HXAI, Robotics, Smart Home

## SKILL

**UI** Figma, Sketch, Axure, Principle,  
Adobe Photoshop, Adobe Illustrator

**Product** Rhinoceros, SolidWorks,  
KeyShot

**Programming** HTML, CSS, Java  
Script, Bootstrap, Python, Django

**Research** Tex, Microsoft Office

## ACHIEVEMENT

4 Product Design Patents  
(CN303455807S, CN303452837S,  
CN303307710S, CN302973755S)

## LANGUAGE

English (C1)  
German (B1)  
Chinese  
Cantonese

## EDUCATION

**MSc Human Computer Interaction** Siegen University

Apr 2021 - now · 1.9 (currently) · Germany

**Thesis** Developing effective explanations for an energy system  
recommender in supporting households making sustainable decisions

**Supervisor** Prof. Dr. Gunnar Stevens ([gunnar.stevens@uni-siegen.de](mailto:gunnar.stevens@uni-siegen.de))

**MA Interaction Design** Loughborough University

Oct 2015 - Dec 2016 · Distinction · UK

**Thesis** Designing a social platform to empower older adults and  
international students

**Supervisor** Dr. Val Mitchell ([v.a.mitchell@lboro.ac.uk](mailto:v.a.mitchell@lboro.ac.uk))

**BEng Industrial Design** Guangdong Ocean University

Sep 2010 - Jun 2014 · GPA 84 · China

**Thesis** Designing a wheelchair for older adults that can adapt to  
different scenarios

**Supervisor** Prof. Yanli Su

## EXPERIENCE

**HCI Researcher** Fraunhofer ISI

Nov 2022 - now · Research assistant · Karlsruhe, Germany

Researching, designing and developing a software for optimising  
household energy system.

**Supervisor** Dr. Songmin Yu ([songmin.yu@isi.fraunhofer.de](mailto:songmin.yu@isi.fraunhofer.de))

**HCI Consultant** Max Planck Institute for Meteorology

Nov 2022 - Dec 2022 · Part-time · Hamburg, Germany

Provided user-centred design consultation for developing a software  
tool that can efficiently retrieve data from simulation tests in  
accordance with the user's research focus.

**Supervisor** Dr. Jairo Segura ([jairo.segura@mpimet.mpg.de](mailto:jairo.segura@mpimet.mpg.de))

**UX Researcher** Favorite Medium

Mar 2022 - Apr 2022 · Contract · South Korea (remote)

Conducted heuristics and expert evaluation to identify UX & cultural  
issues of a client (Ableton)'s checkout flow, and provided a guideline for  
designing specific for APEC markets.

**Interaction Designer** uCloudlink

Jun 2017 - Apr 2021 · Full-time · Shenzhen, China

- Gave websites and applications flexibility to meet marketing needs.
- Improved customer's buying experience using data visualisation.
- Developed remote device management to enhance use experience.
- Redesigned SaaS dashboards to better monitor data and spot alerts.