# Shawn (Zhengyan) Dai

## UX Researcher

## CONTACT INFO

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## SUMMARY

"I'm a Ph.D. candidate in Human-Computer Interaction. I have two years of experience in quantitative research of user studies.
I'm pretty interested in exploring the relationship between users and technique intervention in a statistical perspective".

## SKILLS

Sketch
Survey
Affinity Diagram
Interview
Prototypes
Storyboarding
Cognitive Walkthrough
Data Visualization

## AWARDS

Doctoral Student Assistantship
IUPUI Aug,16
Excellent Graduate Student
top 5%, BUPT Oct,15
Graduate Assistant Scholarship
BUPT Sept,14
National Scholarship
top1%, BIGC 10

## EDUCATION

Ph.D. candidate in Human-Computer Interaction,
Ph.D. minor in Applied Data Science
Indiana University, IN, US 16-present
Core Courses:
Interaction Design Practice, Experience Design, Statistical Inference, Psy of Human Computer Interaction, Collaborative/Social Computing, Prototyping-Interactive System

M.E. in Computer Engineering,
Beijing University of Posts & Telecommunications, Beijing, China 13-16

B.S. in Digital Media Technology,
Beijing Institute of Graphic Communication, Beijing, China 09-13

## PROJECTS

**Research Assistant in Indiana University, IN, US**

**The doctor's digital double: promoting medical adherence**
Aug,16 to Present
Reviewed recent publications on the medical use of virtual human characters and uncanny valley issues
Identified research issues on how to make the humanlike interface to improve medical adherence
Designed the process of the experiment
Implemented the online experimental platform using Laravel
Analyzed data and interpreted the statistical results, providing design protocals for creating virtual doctors based on our findings

**Digital discrimination in the Sharing Economy**
Feb,18 to Present
Designed and implemented three surveys on Qualtrics
Colleted data via Amazon Mechanic Turk
Analyzed the data, tested research hypothesis using R, Excel, and SPSS,
Interpreted the statistical results

**Obesity and related clinical trial in US**
Oct,18 to Dec,18
Designed and implemented data visualization to display the obesity rate change in US from 03 to 17
Used a choropleth and a multi-series line chart to display obesity rate information
Collaborated with peers to explore the relationship between obesity rate change and clinical trial information of each state in US

**Developer in Siemens, Corporation Technology, Beijing, China**

**China Mobile: Security Evaluation Center v2.0 & 3.0**
Oct,13 to Jun,15
Front-end development, using ExtJS, JSP, Ajax, and CSS
Explored the function of widgets
Redesigned some Ext widgets to adapt the need of the system
Improved data visualization of the index page

## PUBLICATIONS

Dai Z, MacDorman KF. 2018. The doctor's digital double: how warmth, competence, and animation promote adherence intention. PeerJ Computer Science 4:e168 https://doi.org/10.7717/peerj-cs.168

Zhengyan Dai and Erin Brady. 2019. Exploring Invisible Disability Disclosure in the Sharing Economy. ASSETS' 19, Pittsburgh, PA, USA https://doi.org/10.1145/3308561.3354633