

# Zhuohao (Jerry) Zhang

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## Research Interest

I work on addressing real-world accessibility problems by designing assistive technologies leveraging multimodal interaction techniques and human-AI collaboration.

## Education

- 2021-now **University of Washington**, Seattle, WA  
Ph.D. in Information Science (expected)  
Advisor: Jacob O. Wobbrock
- 2019-2021 **University of Illinois at Urbana-Champaign (UIUC)**, Urbana, IL  
M.S. in Computer Science (with thesis), GPA: 4.0/4.0  
Advisor: Yang Wang
- 2015-2019 **Zhejiang University (ZJU)**, Hangzhou, China  
B.Eng. in Computer Science (with Honors), GPA: 3.87/4.0, Ranking: Top 5% of 181  
Advisor: Yingcai Wu

## Academic Publications

### CONFERENCE PAPERS

- [C.7] **Zhuohao (Jerry) Zhang**, Gene S. Kim, Jacob O. Wobbrock. *Developing and Deploying a Real-World Solution for Accessible Slide Reading and Authoring for Blind Users*. **ASSETS 2023**
- [C.6] **Zhuohao (Jerry) Zhang**, Smirity Kaushik, JooYoung Seo, Haolin Yuan, Sauvik Das, Leah Findlater, Danna Gurari, Abigale Stangl, Yang Wang. *ImageAlly: A Human-AI Hybrid Approach to Support Blind People in Detecting and Redacting Private Image Content*. **SOUPS 2023**
- [C.5] **Zhuohao (Jerry) Zhang**, Jacob O. Wobbrock. *A11yBoard: Making digital artboards accessible to blind and low-vision users*. **CHI 2023**

[C.4] Cheuk Yin Phipson Lee\*, **Zhuohao (Jerry) Zhang**<sup>1</sup>, Jaylin Herskovitz, JooYoung Seo, Anhong Guo. *CollabAlly: Accessible Collaboration Awareness in Document Editing*. CHI 2022 Best Paper Honorable Mention

[C.3] **Zhuohao (Jerry) Zhang**, Zhilin Zhang, Haolin Yuan, Natã Barbosa, Sauvik Das, Yang Wang. *WebAlly: Making Visual Task-based CAPTCHAs Transferable for People with Visual Impairments*. SOUPS 2021

[C.2] Natã Barbosa, **Zhuohao (Jerry) Zhang**, Yang Wang. *Do Privacy and Security Matter to Everyone? Quantifying and Clustering User-Centric Considerations About Smart Home Device Adoption*. SOUPS 2020

[C.1] Lei Shi, Holly Lawson, **Zhuohao (Jerry) Zhang**, Shiri Azenkot. *Designing interactive 3D printed models with Teachers of the Visually Impaired*. CHI 2019

#### OTHERS

[O.6] **Zhuohao (Jerry) Zhang**, Jacob O. Wobbrock. A11yBoard: Using Multimodal Input and Output to Make Digital Artboards Accessible to Blind Users. UIST 2022 Best Poster Honorable Mention

[O.5] **Zhuohao (Jerry) Zhang**, Sana Malik, Leo Zhicheng Liu, Shunan Guo, Jane Hoffswell, Ryan Rossi, Fan Du, Eunye Koh. *Codas: Integrating Business Analytics and Report Authoring*. EuroVA 2022

[O.4] **Zhuohao (Jerry) Zhang**, Sana Malik, Leo Zhicheng Liu, Shunan Guo, Jane Hoffswell, Ryan Rossi, Fan Du, Eunye Koh. *Understanding the Data Reporting Needs of Business Analysts*. EuroVA 2022

[O.3] Cheuk Yin Phipson Lee\*, **Zhuohao (Jerry) Zhang**\*, Jaylin Herskovitz, JooYoung Seo, Anhong Guo. *CollabAlly: Accessible Collaboration Awareness in Document Editing*. ASSETS 2021 Demo

[O.2] Xiyuan He\*, **Zhuohao (Jerry) Zhang**\*. *GPK: An Efficient Special Symbol Input Method for Keyboards Using Glide*. CHI 2019 Student Research Competition Winner

[O.1] Lei Shi, **Zhuohao (Jerry) Zhang**, Shiri Azenkot. *A Demo of Talkit++: Interacting with 3D Printed Models Using iOS Devices*. ASSETS 2018 Demo

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<sup>1</sup>Symbol \* Means Contributed Equally as First Authors

## Work Experiences

- 06/2023-09/2023 **Microsoft Research**, Redmond  
Applied Scientist Intern, EPIC & Ability Team
- 06/2022-09/2022 **Meta Reality Labs**, Redmond & Toronto  
Research Scientist Intern, Agios Team
- 05/2020-08/2020 **Adobe Research**, Remote  
Research Scientist Intern, VaaS Team

## Research Experiences

- 09/2021-now **University of Washington, Seattle**  
Graduate Research Assistant  
**ACE (Accessible Computing Experiences) Lab**, Supervisor: Jacob O. Wobbrock
- 10/2020-09/2021 **University of Michigan at Ann Arbor**  
Graduate Research Assistant  
**HAIL (Human-AI Lab)**, Supervisor: Anhong Guo
- 10/2019-09/2021 **University of Illinois at Urbana-Champaign, Urbana, IL**  
Graduate Research Assistant  
**Social Computing Systems Lab**, Supervisor: Yang Wang
- 09/2018-12/2018 **Cornell University (Cornell Tech), New York, NY**  
Research Assistant  
**Enhancing Abilities Lab**, Supervisor: Shiri Azenkot
- 2017-2019 **Zhejiang University, Hangzhou, China**  
Undergraduate Research Assistant  
**Interactive Data Group**, Supervisor: Yingcai Wu

## Honors and Awards

- 2022 Best Poster Honorable Mention, UIST 2022
- 2022 Best Paper Honorable Mention, CHI 2022
- 2019 ACM CHI Student Research Competition Winner
- 2019 Chu Kochen Honors College Research Scholarship (top 5%)  
*Awarded \$15000 in total in support for conducting research abroad*
- 2016-2018 First-class Scholarship for 3 successive years (top 3% in ~850 students)

## Press Coverage

- 05/2022 **Microsoft New Future of Work Report 2022** “Collaboration systems need to be more accessible”
- 01/2022 **XRDS: Crossroads, The ACM Magazine for Students** “Accessibility, justice, and privacy for technology”

## Services

### University of Washington

DUB (Design, Use, Build) Seminar Host 2022, 2023

CREATE Advisory Board Meeting Student Volunteer 2022

### Academic Reviewing

UIST 2023, VIS 2023, CHI 2023, CHI 2022, CSCW 2021, SOUPS 2021