

# JACKLIN STONEWALL

USER RESEARCHER

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 jacklinstonewall.com

## PROFILE

Experienced researcher and teacher driven by endless curiosity and a passion for capturing diverse user needs. Eye for details. Team player and leader.

## EDUCATION

### DOCTOR OF PHILOSOPHY

Iowa State University Aug.2022

Industrial Engineering &  
Human Computer Interaction

Dissertation Title: An Investigation of  
Bias in Peer Assessment and  
Development of  
Training to Increase Student  
Perceptions of Fairness

### MASTER OF SCIENCE

Iowa State University 2016

Industrial Engineering

Thesis Title: Website Gender  
Perceptions: Effects and  
Recommendations for Gender  
Inclusivity

### BACHELOR OF SCIENCE

Iowa State University 2013

Aerospace Engineering

## PROFESSIONAL EXPERIENCE

### LEAD USER RESEARCHER & PROJECT MANAGER

Election Systems & Software | Iowa State University  
2017, 2022

- Led teams of 14 and 5 to conduct large-scale user evaluations of electronic voting systems for disabled users
- Coordinated study participation, staff scheduling, training, and client relations
- Designed and conducted laboratory and on-site evaluations with diverse groups of participants
- Integrated results into reports and recommendations for increased usability

### LEAD USER RESEARCHER

InterchangeSE | Federal Highway Administration | Iowa State University  
2021-2022

- Designed and conducted experiments to test the usability and user acceptance of a multimodal, virtual reality traffic simulation environment
- Prepared computational, survey, and observational data collection materials
- Presented results and quarterly progress reports to sponsor (FHWA)

### INSTRUCTOR

Iowa State University | College of Engineering  
2018, 2020

Course Title: Engineering Problem Solving & Computer Applications (36 students/semester)

### RESEARCHER

Big Data For Sustainable Cities | Iowa State University  
2016-2018

- Developed methodology for gathering data from historically marginalized populations
- Applied novel data collection methods (e.g. ecological momentary assessment) to capture real-time user behavior
- Disseminated results through multiple channels to support sustainable decision making

## SELECTED PROJECTS

### BUILDING FAIRNESS: PEER ASSESSMENT TRAINING

2018-Present

- Identified need for training to increase peer assessment fairness through literature review, data analysis, stakeholder interviews, focus groups, and surveys
- Applied results of initial user research to design of interactive, online training for higher education classrooms
- Conducted two iterations of user testing to assess utility and usability
- Synthesized user testing results into recommendations for each design iteration

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## SKILLS

- Project Management
- Usability Testing
- A/B Testing
- Card Sorting
- Cognitive Walkthrough
- Design Thinking
- Written & Oral Communication
- Wireframing & Prototyping
- Experimental Design
- Survey Methods
- Affinity Diagrams
- Qualitative Coding
- Personas
- Statistical Analysis
- Task & Heuristic Analysis
- Interviews & Focus Groups
- Report Writing

## TOOLS

- Adobe XD, Figma, InVision, Axure RP
- Qualtrics, JMP, Tableau, Excel, Sheets
- MatLab, Python
- SolidWorks, Star-CCM+

## AWARDS

### Best Oral Presentation

ISU GPSS Conference | 2019

### Best Student Paper Runner-Up

HFES Human Performance Modeling | 2018

### UX Design Contest 1st Place

ISU Usabilathon | 2018

### Research Excellence Award

Iowa State University | 2016

### JOPPA | HEAT TEAM MOBILE APP

2019-2020

- Crafted user experience evaluation of mobile application used to track supplies issued to local individuals experiencing homelessness
- Applied results of evaluation to application redesign using InVision

## PROFESSIONAL DEVELOPMENT

### THEATRE MIDWEST | DIRECTOR OF OUTREACH AND DEVELOPMENT

2021-Present

- Research, prepare, and submit grant applications to support operating budget
- Build relationships with new and recurring sponsors and donors
- Develop fundraising strategies and materials

### HFES | DIVERSITY, EQUITY, & INCLUSION COMMITTEE MEMBER

2019-Present

- Co-organized panel sessions and workshops on DEI and accessibility topics for HFES annual meetings

### HFES | ASSISTANT TO TECHNICAL GROUP CHAIRS

2019-2020

- Assigned reviewers for the Cognitive Engineering and Decision Making technical group
- Created schedule of lectures, panels, workshops, and posters for conference

### ISU GRADUATE STUDENT SENATE | HCI SENATOR & FINANCE COMMITTEE

Aug. 2019-May 2020

- Voiced concerns of HCI students, voted on graduate college legislation, and approved financial allocations

### ISU | PREPARING FUTURE FACULTY

Aug. 2018-May 2019

- Honed research, mentorship, and teaching skills
- Proposed, developed, and taught a summer course on aerospace engineering for gifted middle school students (30 students)

## RECENT PUBLICATIONS

### An Evaluation to Determine if Reading the Rind in the Eyes Scores Can be Improved Through Training

PLOS ONE | 2022

### Human Factors Engineering: Designing for Diversity and Accessibility

HFES | 2021

### Inclusive Decision-making: Applying Human Factors Methods to Capture the Needs and Voices of Marginalized Populations

CRC PRESS | 2019