

Shihui Ruan

User Experience Designer

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Experience

UX Designer II, Spectral MD, Inc.

Jun 2021 – Present | Dallas, TX

- Designed multiple cross-platform apps for Burn & Diabetic Foot Ulcer wound healing prediction from workflow to high-fidelity user interfaces.
- Built interactive prototypes for user training and marketing introduction of a product.
- Led user research and usability testing for burn wound healing prediction device and uncovered new use cases in the emergency rooms, leading to new market opportunities.
- Investigated use data for issues raised by the unintended device and developed workflows for access control.
- Collaborated with software development team to verify user interfaces.
- Integrated physical interaction with digital screen user experience and refined user interfaces onto apps.

UX Design Intern, Smart Twigs

May 2020 – Aug 2020 | Remote

- Designed a mobile application for individuals to engage in social giving activities.
- Optimized the user interface for an immersive experience.
- Collaborated with the PM team and engineers to work on design verification. Completed the beta launch for the new born product.

Website Designer, Georgia Institute of Technology

Aug 2019 – Dec 2019 | Atlanta, GA

- Improved website navigation with a new information architecture and reduced maintenance costs through a component-based design.
- Applied qualitative and quantitative user research methods to analyze user behaviors and identify design opportunities.
- Worked with an accessibility analyst on usability testing and programmatic testing.
- Developed information architecture to construct content and navigation system in accordance with users' perceptions.

Education

Georgia Institute of Technology

Aug 2019 – May 2021 | Atlanta

M.S. in Human-Computer Interaction

Donghua University

Sep 2015 – Jun 2019 | Shanghai

B.E. in Industrial Design

Tools

Adobe PS/AI/ID/PR/AE

Figma/Sketch/XD/InVision

Protopie/Principle/Framer

Processing

Arduino

Solidworks

Keyshot

Google Analytics

Skills

User-Centered Design

Survey

User Interview

Cardsorting

Affinity Mapping

Storyboarding

Wireframing

Heuristic Evaluation

Contextual Inquiry

Usability Testing

IEC 60601/62366

C/HTML/CSS/JS