

CHRISTINA SHI

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EDUCATION

Expected June 2024

Northwestern University, Evanston, IL | GPA: 3.28

Bachelor of Science in **Biomedical Engineering** McCormick School of Engineering

Segal Design Certificate, McCormick School of Engineering | Minor in General Music, Bienen School of Music

Relevant coursework: Design Thinking and Communication, Industrial Design Projects, Manufacturing

Methods in Design, Solidworks, Design Sketching

EXPERIENCE

Northwestern University Projects

The SCI Guide

Jan '21 – Jun '21

- Developed an online spinal model for spinal cord injury patients at Shirley Ryan Ability Lab to aid in the learning and understanding of their injury.
- Referenced surveys and expert interviews to improve design components

The SmartWalker

Jan '21 – Jun '21

- Developed a portable device for walkers to display their real time weight bearing when used by an individual.
- Focused design on programmability, accessibility, and portability for patients

Snake Lamp

Jan '23 – Mar '23

- Designed a Bauhaus inspired light focused on the Human Centered Design process
- Developed image boards, rough prototypes, and a refined manufacturing prototype

Research Assistant

Sept '21 – Present

Purdue University

- Principal Investigator: Dr. Yunjie Tong
- Researched the different components of fMRI signals and hemodynamic functions

EMPLOYMENT HISTORY

Resident Assistant

Sept '21 – Present

Northwestern University

- Fostered the development of relationships among 52 residents by planning and implementing activities such as ice cream socials, tote bag decorating nights, and study sessions
- Managed administrative duties: budgeting, maintenance requests, incident reports, and room transfers

Piano Teacher

Jun '17 – Present

- Created and implemented lesson plans for 12 students based on talent and interest
- Taught 30-minute weekly lessons for each student in person and online through Zoom

Clubhouse Associate

Jun '22 – Aug '22

West Lafayette Wellness Center

- Provided a safe, caring, enriching, and age-appropriate environment for children aged six weeks to ten years old
- Created new and exciting programs for kids to engage the children

SKILLS

- Proficient in – Python MATLAB, Solidworks, LTSpice
- Languages – German (intermediate), Mandarin (conversational)
- Flexible and adaptable, Self-driven, Collaborative, Communicative