

EDUCATION

Northwestern University

Sep 2019–Dec 2020

M.S. Engineering Design
Innovation

The Ohio State University

Aug 2013–May 2017

B.S. Biomedical Engineering
Minor in Neuroscience

GPA: 3.98

Summa Cum Laude

Dean's List: 8 semesters

Eminence Fellowship

Relevant Coursework

Fall 2019: Human Centered
Product Design, Design
Research, Design

Communication & Methods

Winter 2020: UI/UX Design,
Service Design, Medical
Technology

Commercialization

Spring 2020: Mobile App
Design, Design Strategy,
Product Management

SKILLS

Research

Ethnographic research
Strategy and synthesis
User needs identification
Journey mapping

Design

Adobe Photoshop
Adobe Illustrator
Adobe XD
Figma
InVision
Wireframing
Rapid prototyping

Engineering

SolidWorks
MATLAB
FEA/COMSOL
C++

DESIGN PROJECTS

Procter & Gamble Human Centered Product Design

Sep-Dec 2019

- Graduate project in partnership with Procter & Gamble. Worked in multidisciplinary teams to deliver holistic health-related product design: in-context research, evolving design concepts, and iterative prototyping

Feeding America Digital Interaction Design

Jan-Mar 2020

- UI/UX class partnership with Feeding America to design novel digital interactions to inspire donations: UI/UX design, wireframing, digital prototyping, user flow mapping and design

Northwestern Knight Lab Mobile App Design

Apr-Jun 2020

- UI/UX design project with an innovative media maker lab: service blueprinting, wireframing, high-fidelity mobile app prototyping, user testing

iRobot Design Strategy

Apr-Jun 2020

- Business strategy class project to shape iRobot's future product and service offerings: design research, service concepts, business model development

Senior Capstone Engineering and Product Design

Aug 2016-May 2017

- Senior capstone experience in partnership with OSU Veterinary Hospital to advance canine cancer treatment: applied skills in secondary research, identifying user needs, prototyping, validation testing, and technical writing

PROFESSIONAL & RESEARCH EXPERIENCE

Northwestern Medicine

Chicago, Illinois

Design Intern

Jul 2020-Present

- Developing, prototyping, and testing novel solutions to improve care delivery in the hospital intensive care unit (ICU)
- Conducting in-depth research in the ICU setting to understand needs of clinicians, patients, and families; Translating clinical observation into meaningful frameworks, insights, and design directions

Medpace

Cincinnati, Ohio

Clinical Research Associate

Aug 2017-Apr 2019

- Delivered high quality clinical outcomes across five trial teams, providing site personnel training, on-site monitoring, and ensuring consistent adherence to Good Clinical Practice; Managed client/site relationships to deliver successful trials while demonstrating superior adaptability, communication and problem-solving skills
- Mentored two associates, providing guidance leading to their successful completion of CRA training

The Ohio State University; Dept of Biomedical Engineering

Columbus, Ohio

Capstone Design Student Assistant

Jun-Aug 2016

- Applied techniques in CAD and 3D printing as well as machining and milling to create parts for improvement of capstone projects while communicating with clinicians and users to engineer ideal solutions
- Completed an intensive two-week design and build project which involved working in a multidisciplinary team to develop a prototype that solved an assigned engineering problem; Team included visiting students from China