



LEXIE KIRSCH

HUMAN FACTORS ENGINEER

lexiekkirsch@gmail.com

(650) 823-0490

lexiekirsch.github.io

Experienced researcher who leverages design to make medical devices safer, more effective, and easier to use.

Experience

Human Factors Co-op, Farm Design, Hollis, NH

May 2019 - Present

- Moderated sessions for formative and summative usability testing with physicians, laboratory technicians, nurses, caregivers, and pediatric, adolescent, and adult patients.
- Analyzed qualitative and quantitative usability data, and distilled findings into succinct reports.
- Authored documentation and executed research within an ISO 14971-certified quality system.
- Presented work to the research team on methods and best practices for testing users with physical and mental impairments.
- Co-authored an article to be published in AAMI's BI&T that demonstrated how manufacturers might use MAUDE and FDA Recall databases to identify design opportunities that mitigate risk.

Resident Assistant (RA), Tufts University, Medford, MA

Sep 2016 - May 2017

- Planned and implemented monthly educational, social, and passive programs and materials to enrich student experiences and create cohesive community for 220 students.
- Served as direct contact and personal support for 42 residents.

Projects

Tufts Social App

- Created a survey to assess user preferences regarding ways to improve sense of community.
- Designed UI prototypes using Adobe XD; iterated prototypes following 4 rounds of usability testing.

Sit-Stand Storage Station

- Developed an ergonomically considerate workstation with storage shelving to improve student productivity.
- Iterated design following 3 rounds of usability testing.

Education

M.S. Human Factors Engineering

Tufts University, Medford, MA

Graduated May 2019

Focus: Human Factors in
Medical Technology

B.S. Human Factors Engineering

Tufts University, Medford, MA

Graduated May 2018

GPA: 3.56, Magna Cum Laude,
Dean's List

Technical Skills

- AutoCAD, Inventor, REVIT, 3ds Max
- HTML, CSS, Javascript, SVG, d3, C++
- Sketch, SketchUp
- SPSS, R, SAS

Soft Skills

- Excellent written communication skills
- Client-facing and results-oriented conduct
- Thoughtful collaborator
- Works well independently