SARAH WALKER

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UX Research | Human Factors Engineering | Adaptive and Assistive Design

EDUCATION

Tufts University – M.S. Innovation & Management, M.S. Human Factors Engineering   *Expected May 2025/2026*

Relevant Coursework: Medical Technology Development, Assistive Design, Human-Computer Interaction, Modern Project Management, New Product Innovation, Finance in Technology Firms, Marketing: Digital and Branding

Stanford University – B.S. Product Design, Minor in Education (GPA: 3.76)   *June 2021*

Relevant Coursework: Product Design Methods, Analytical Product Design, Advanced Product Design: Needfinding and Implementation, Mechanical Systems Design, Mechanics of Materials, Product Realization: Design and Making
Activities: Stanford Track and Field (2016-2021), Kids with Dreams (2016-2020), Design Summer Cohort (2019)

EXPERIENCE

National Ability Center — Recreation and Adventure Instructor   *Park City, UT | May 2024 - August 2024*

• Led adaptive programming for individuals with cognitive and physical disabilities, enhancing accessibility and usability through tailored interventions for 100+ participants.
• Collaborated with therapists and staff to identify participant goals and implement design adjustments.
• Developed rapid prototypes to best suit participant needs and align with usability principles.

Achieve Tahoe – Adaptive Ski and Snowboard Instructor   *Alpine Meadows, CA | November 2023 – April 2024*

• Led over 150 adaptive ski and snowboard lessons to individuals with cognitive and/or physical disabilities.
• Studied and mastered the use of adaptive equipment used for alpine skiing and snowboarding.

UEGroup — Junior UX Researcher, Associate UX Researcher   *San Jose, CA | February 2022 - April 2023*

• Conducted comprehensive user research for diverse industries by employing quantitative and qualitative methodologies, including 200+ hours of usability testing.
• Synthesized findings from studies into actionable insights and presented recommendations to stakeholders to inform product development decisions.
• Managed all aspects of research efforts from participant recruitment to study design and execution.

Stanford Haas Center — Education Partnership and Leadership Fellow   *Stanford, CA | September 2019 - March 2020*

• Led community programs to develop math skills in children, designing curriculum and managing tutoring sessions.
• Fostered collaboration between educators, parents, and volunteers to support program objectives.

21C Skills Lab — Design and Research Intern   *Auckland, NZ | July 2019 – August 2019*

• Helped build a project-based learning program for teachers using design thinking strategies.
• Conducted user interviews and developed resources for onboarding, including digital illustrations and user journey maps.

PROJECTS

NaviCare — Health App Development   *Medford, MA | September 2024 - Present*

• Leading the end-to-end development of a health management app for adult caregivers.
• Conducting user research and building a prototype to assess usability and enhance user experience.
• Analyzing the competitive landscape and building a comprehensive marketing and financial model.

plush+ — Senior Capstone: Companion Toy and Unboxing Experience   *Stanford, CA | September 2019 - June 2020*

• Led user research, web development, and user testing for a companion toy designed to help kids understand disabilities.
• Created high-fidelity prototypes for user testing, including educational and personalized materials based on our insights.
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SKILLS & AWARDS

• **Research:** Qualitative & Quantitative Research, Study Coordination and Design (Airtable, SurveyMonkey), Data Synthesis
• **Design:** Prototyping (lathe machining, milling, laser cutting, welding), UI/UX Design (Figma), CAD Modeling (SolidWorks)
• **General:** Project Management (Asana), Interdisciplinary Teamwork (Google Suite, Microsoft Office Suite)
• **Awards:** Stanford Award of Excellence (2020)