

MALAVIKA SAJITH

PROFILE

Motivated and detail-oriented Human Factors Engineering Masters student seeking an entry-level position or internship to gain practical experience and contribute to improving user-centered design products. Committed and eager to apply academic knowledge and problem-solving skills to real-world projects.

CONTACT

631-401-3571

Malavika.sajith24@gmail.com

www.malavika.org

Medford, MA, 02155

SKILLS

- Adobe Photoshop
- Data Analysis
- Figma
- User Research
- IBM- SPSS
- Minitab
- R Studio
- Usability Testing
- Qualtrics
- Wireframing

COURSEWORK

- Computer Interface Design
- Industrial Design
- Assistive Design
- Medical Technology Development
- Lean Six Sigma
- Applied Behavioral Statistics for Engineering
- Analytical Methods in Human Factors Engineering
- Research Methods and Analysis
- Industrial/Organizational Psychology
- Intelligence at Work
- Commercial Law
- Fundamentals of Marketing
- Human Resource Management
- Intercultural Issues in Business and Management
- Marketing Perspectives
- Management Theories in Practice
- Operations Management
- Enterprise: Concepts and Issues

EDUCATION

MS Human Factors Engineering

Tufts University

Medford, Massachusetts

Jan 2023 - Dec 2024

GPA: 3.94

BSc. Psychology (Hons.)

Heriot-Watt University

Edinburgh, Scotland

Sep 2018 - May 2022

GPA: 3.7

PROJECTS

Portable Bidet Prototype

- Created a working portable bidet prototype for client with motor issues.
- Analyzed effective shapes, storage areas and nozzle types to fit client's needs.
- Ran effective prototype testing

Online Voting Interface

- Used Figma to create a an online voting interface prototype for the 2016 California General Elections.
- Conducted several user testings in different phases of the project.
- Used paper prototyping to identify course of the project during initial stages.

Instructables mobile interface

- Used Figma to create a mobile interface for the app instructables.
- Analyzed existing DIY sites including the instructables website to identify appropriate designs for the app.
- Conducted user testings to identify effectiveness and shortcomings of the app.

EPAM Medical Device Error Mitigation (Ongoing)

- Redesign/modify/develop the medical device given to mitigate the error
- Conducting risk assessments
- Testing and writing usability report

Bachelors Thesis Project

- Testing the influence of perceived stress and coping strategies on pro-environmental behavior
- Conducted an online survey with over a 100 participants.
- Ran statistical analysis to understand the outcome of the survey.

EXPERIENCE

Human Factors Research Assistant

Tufts Idea Lab

2023

- Worked on the lab's Owl head project as a human factors member.
- Project works on extending human vision via VR.
- Worked on user testing criteria for the project.

Social media marketing, Intern

Varista Group

2021-2022

- Assisted in designing the company webpage.
- Promoted company projects on relevant social media platforms to attract clients.
- Tracked and maintained budget usage to assigned areas to ensure efficient use of resources and ensure financial goals were met.

Tech Volunteer

STEP Conference

2019

- Handled visitor inquiries and complaints in a professional and courteous manner
- Set up and maintained event equipment and facilities to ensure proper functioning

CERTIFICATIONS

Lean Six Sigma Black Belt