PAVITHRA RAMASAMY
Accessibility UX Researcher

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Education

Masters of Science in Human Computer Interaction
University of Maryland, College Park, United States
May 2019, GPA 3.97/4

Bachelors of Technology in Information Technology
SSN College of Engineering, Anna University, India
April 2016, GPA 9.15/10

Work Experiences

Accessibility UX Researcher, Google (via Adecco)
July 2019 - Present: Mountain View, California
- Designing, conducting and facilitating research studies involving people with vision and motor difficulties.
- Leading research studies through the entire lifecycle - scoping and designing accessibility studies, recruiting participants with disabilities, moderating sessions, analyzing data and presenting findings.
- Leading and managing usability studies, surveys, and processes for heuristics evaluation through an accessibility lens.
- Working cross-functionally in collaboration with designers, software engineers, program manager, and technical program managers to deliver impactful insights

Accessibility Research Assistant, Trace R&D Center
Aug 2017 - July 2019: University of Maryland, College Park
- Designed and conducted usability studies on assessing the usefulness of simplifying Microsoft Word ribbons to make it accessible to all.
- Conducted foundational research on people with cognitive disabilities to understand their needs, assistive technology use, and gaps present in their current AT usage.
- Designed and conducted research studies on reading and text comprehension for people with dyslexia.
- Designed and developed accessibility strategies for the GPII DeveloperSpace MasterList.
- Researched on how effective social activities are towards longevity of people with disabilities and the older generation in general.

UX Design and Research Intern, SolidWorks
Jun 2018 - Aug 2018: Waltham, Massachusetts
- Redesigned the homepage and login experiences of the 3DContentCentral website.
- Performed User Research for upcoming products and facilitated Usability Tests for xDesign and analysed results.
- Conducted accessibility audits and wrote Accessibility Conformance Reports(VPAT v2.1) for SolidWorks Web Products: SolidWorks, MySolidWorks, AppsForKids and 3DContentCentral.
- Authored a Web Accessibility checklist for future projects to be adhered to in the product or feature design phase.
- Improved readability of user interaction pages and suggested measures for accessible designs for MySolidWorks.

Product Analyst, Temenos Banking Software Systems
Jul 2016 - Jun 2017: Chennai, India
- Gathered business requirements based on interactions with clients on a daily basis.
- Performed user need-finding analysis, conducted interviews and surveys to identify issues faced by the clients.
- Collaborated with developers and program managers in running sprints and brainstorming new features.
- Introduced design level changes on the flagship software T24 to provide better user experience and support.

UX Skills
User Research & Design
Semi-structured interviews
Usability Studies
Baseline Inspections
Contextual Inquiries
Field Research
Cognitive Walkthroughs
Heuristic Evaluations
A/B Testing
Competitive Analysis
Surveys
Inclusive Design
User Journey Mapping
Wireframing and Prototyping

UX Tools
UX, Visual Design & Usability
Sketch
Adobe Illustrator
Figma
UserZoom
UserTesting.com
Validately
Loop11

Prototyping
InVision
Axure RP
Adobe XD
Marvel

3D Design Tools
SolidWorks
Autodesk Fusion 360

Programming
HTML & CSS
JavaScript
Python

Publications
An Economical Air Writing system converting finger movements to text using Web Camera - Pavithra.R; G. Prabhu ; R.Srinivasan(IEEE, 2016)

An Efficient Transfer of EHRs on the Cloud using Decaying Window Principle - Pavithra.R; Savitaa.V ; S.Vidhusha(IEEE, 2015)