# DHANANJAI HARIHARAN
## UX DESIGNER & DEVELOPER

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## SUMMARY

I am passionate about solving complex problems using a user-centered design thinking approach and building innovative products. Combining my wide range of skills, I bridge the gap between user research, experience design and product development by taking projects from initial concept to working prototypes.

## EXPERIENCE

### TriCord Medical II, LLC
SOFTWARE DEVELOPER - FREELANCE
08/16 - PRESENT | DOYLESTOWN, PA

- Developing the Android mobile app for a wearable medical device, used for presenting prototypes to investors.
- Role includes creating user workflows & mockups, designing UI, app icon resources, developing the Android app, and cross-device testing.
- Role also includes implementing data transfer and storage protocols, and creating meaningful visualizations for realtime data.

### LATLab, Rochester Institute of Technology
RESEARCH ASSISTANT
09/14 - 06/16 | ROCHESTER, NY

- Designed prototypes and conducted user studies for NSF-funded research projects aimed at improving accessibility for Deaf users.
- Role included conducting eye tracking studies, analyzing participant questionnaires and eye tracking data for verifying hypotheses.
- Additionally responsible for documenting key processes and instructing new members in using eye tracking equipment.
- Projects I have worked on have been published at ASSETS'15 & Effective Access Technology Conference '15.

### Autodesk Inc.
DATA VISUALIZATION INTERN
06/15 - 08/15 | SAN FRANCISCO, CA

- Designed and developed visualizations for realtime data from infrastructure sensors, for the InfraWorks 360 platform on desktop, web & mobile devices.
- Role included creating conceptual mockups, designing 2D / 3D visualizations, user interactions, and building a working prototype using HTML, CSS and JavaScript.
- Role also involved working with remote engineering teams and project stakeholders for planning execution, feasibility and regular presentation sessions.

### i2e Consulting
ANDROID APP DEVELOPMENT INTERN
DEC. 2012 | MUMBAI, INDIA

- As an intern, I was mentored by the Software Development team and learnt the basics of Android application development.
- Developed my own Android app that would allow users to measure objects using the device camera.
- Took project from concept to implementation in 2 weeks.

## SKILLS

### User-Centered Design
Sketching | Wireframing | Mockups | Prototyping | Interaction Design | UI Design | Storyboarding | User Surverys & Research | User Testing | Eye Tracking | Data Visualization

### Software Tools
Sketch | Balsamiq | Proto.io | inVision | Adobe XD | Unity3D | Android Studio

### Programming
Python | Java | Android SDK | HTML, CSS  & Javascript | Bootstrap | Highcharts

### Devices & Hardware
Oculus Rift | Leap Motion | Microsoft Kinect | Eye trackers | Arduino & Particle Photon Dev Kit

### Other
3D Printing, Soldering, Laser Cutting

### Languages
English, Hindi

## EDUCATION

### Rochester Institute of Technology
M.S. IN HUMAN-COMPUTER INTERACTION
2014 - 2016 | Rochester, NY

### Vellore Institute of Technology
B.TECH IN COMPUTER SCIENCE AND ENGINEERING
2010 - 2014 | Vellore, India