# MANAVBIR SAHANI

manavbirsahani.com

3531 Stetson Ave, San Diego *(Green Card Holder)*

## EXPERIENCE & IMPACT

### Front End Developer & UX Research Intern

**Advent Resources**   06/2017 - 09/2017   Los Angeles, CA

- Developed a mobile version for their CRM software based on the needs and pain points of clients. I designed new features, validated them with interactive prototypes and conducted user studies on them.

### Interaction Design & User Research

**Muoro**   06/2016 - 08/2016   New Delhi, India

- Conducted user research using different research methods like contextual inquiry, usability testing, video analysis, card sorting on multiple groups and took final data-driven design decisions based on A/B Testing.
- Worked with engineering & product management teams to incorporate UX into engineering workflows and all stages of the product development.

### IT Consultant : UX Engineering

**AfghanMade, United States Department of Defense,**
07/2014 - 12/2014

- Introduced the concept of Computer Aided Design (CAD) and helped the designers in Afghanistan migrate from manual designing to CAD. This helped them drastically reduce the cost , time and eliminated any scope for error.
- Responsible for designing, developing and securing their website.

### User Experience Research Intern

**Entwine**   05/2015 - 08/2015   Philadelphia, PA

- Designed and moderated usability studies and prototype interviews to understand user behavior. I further synthesized research insights into deliverables like presentations, graphs, etc.
- Led design strategy on key product features by informing design decisions with insights from qualitative and quantitative user research.

### Human Computer Interaction Teaching Assistant

**UC San Diego**   09/2017 - Ongoing   San Diego, CA

- Led lectures and discussion sections on information architecture, usability testing, interaction design, social computing, design principles, distributed cognition and guided hundreds of students with their UX Research process and their design projects..

## SKILLS & TOOLS

### QUANTATIVE RESEARCH :
Usability benchmarking, Online assessments, A/B Testing, log analysis, Data-mining/analytics, Eye-tracking, Surveys, DataVisualization

### DEVELOPMENT & DESIGN:
HTML/CSS, Java, C++, JS, MySQL, Python, Bootstrap, Balsamiq, Git/Github, Qualtrics, Adobe CC (XD, Photoshop, Illustrator), Sketch, InVision, Balsamiq, Marvel App, Framer, Origami

### QUALITATIVE RESEARCH:
Card sorting, Ethnographic field studies, Focus groups, Participatory design, Paper prototyping, Interviews, Usability studies, Desirability studies

### EVALUATION: Competitive
analysis, Journey Mapping, Personas, Storyboarding, Heuristic Evalution(10 Heuristics), Wiz of Oz/Video Prototyping, User-Testing, Diary/Camera Studies, Intercept Surveys

## EDUCATION

### Human Computer Interaction(Distinction)
**University of California, San Diego**

### Minors :Computer Science, Business, Design
2014 - 2019   GPA: **3.8** / 4.0

## PROJECTS

### Honors Thesis

10/2017 - Ongoing   University of California, San Diego

Advisors : Prof. David Kirsh, Prof. Scott Klemmer
Thesis: Creativity in Prototyping

- Conducting research on different forms of examples that help foster innovative approaches to problem solving, and design of user friendly interaction.

### VShare

- Designed and coded the interface of VShare which is an app designed for any smartwatch and lets the user exchange business cards and social media profiles with another user who has a smartwatch just through a simple handshake!
- Effectively communicated results and illustrated suggestions to product teams through clear writing.

### Fizzle

- Throughout the process, I conducted user research and testing, while creating various personas, storyboards, low fidelity, and high fidelity prototypes, to design the ideal solution to the problem and then implemented it to make an android application with my team.
- Link:  https://tinyurl.com/y7rxvrya

## CERTIFICATION :

💎  **Ethical Hacker by Lucideus Tech**

Studied the security of operating systems and websites, with a focus on Android applications and penetration testing using Kali Linux during the 3 months course at a cyber security firm Lucideus Tech.