MEENAKSHI NAGARAJAN

nagarajan.12@wright.edu | (669) 225-7926 | San Jose, CA

EXPERIENCE

Graduate Research Assistant (Interaction Design & Modeling Lab)

Wright State University, Dayton, OH   Jan, 2016 – Present

Information Presentation on a decision support system for emergency responders

Developed an android application for emergency responders to support in decision making and perform risk analysis

- Translated data collected from interviews and observation of emergency responders into functional requirements
- Designed High/ Low Fidelity prototypes with Axure for tablet-based interface from the requirements gathered
- Conducted usability testing and integrated the feedback into revisions

Android Application for Tinnitus Management

- Carried out landscape analysis and created medium fidelity prototypes to identify the best distraction aid for tinnitus patients
- Evaluated user feedback and developed a functional android application featuring 2 back test for tinnitus patients

MiDLE Project

- Development of a tablet based android application to be used as an adaptive learning tool that provides feedback to RPA pilots during simulated flight scenarios

Independent Research

- Engaged in literature review in the field of wearable technology to improve the operator safety in petrochemical industries

Graduate Teaching Assistant

Wright State University, Dayton, OH   Jan, 2016 – Present

Lectures

Courses
- Human-System Integration and Usability Engineering
- Human Factors in Mobile Computing

SKILLS & TOOLS

- Axure
- JustInMind
- Android
- Balsamiq
- HTML/ CSS
- Bootstrap
- Visio
- Photoshop
- R
- Javascript
- Qualtrics

UX SKILLS

- Card sorting
- Requirements gathering
- Usability testing
- Wireframes/ Mockups
- Stakeholder interviews
- Heuristic evaluation

COURSES COMPLETED

- Fundamentals of Human Factors Engineering
- Human Factors in Mobile Computing
- Cognitive Systems Engineering
- Design and Analysis of Experiments
- Data Mining
- Cloud Computing

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In-Class Activities

- Improved student participation in the classroom by giving several in-class activities on paper prototyping

Designing Class Projects

- Assisted the faculty in designing class projects for developing a user-centered website/mobile design

Software Developer

Tata Consultancy Services Ltd, India   Feb, 2013 – Aug, 2015

- Experience with entire software development life cycle
- Worked on agile development and design facilitating retail line-of-business of British Telecom

EDUCATION

Master of Science in Human Factors Engineering

Wright State University, Dayton, OH   Aug, 2015 – Present
Emphasis in Human Computer Interaction

Bachelor of Engineering in Electronics and Instrumentation

Anna University, India   Sep, 2008 – May, 2012

CONFERENCE PAPER AND PRESENTATION

David Wood, **Meenakshi Nagarajan**, Alexandra Opp, Subhashini Ganapathy, Michelle Cheatham, John Gallagher, Jim Gruenberg, Jack Smith (2016). **Using Model-Based Simulation for Augmenting Incident Command System for Disaster Response.** International 2016 Winter Simulation Conference, Washington, D.C., December 2016

COURSE IN PROGRESS

Applied Time Series

INTERESTS

- User research
- Data analysis

ACHIEVEMENTS

On-The-Spot Award
Tata Consultancy Services Ltd., Nov, 2014

Represented as Speaker
Winter Simulation Conference, Dec, 2016

REFERENCES

Dr. Subhashini Ganapathy, Ph.D., Associate Professor, Wright State University
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Dr. Michelle A. Cheatham, Ph.D., Assistant Professor, Wright State University
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