

Paritosh Bahirat

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EDUCATION

- PhD - Human Centered Computing** **May 2017 - Till Date**
Clemson University, Clemson, SC, U.S.A. G.P.A. - 3.75/4.0
- M.S. - Industrial Engineering (Focus – Human Factors)** **August 2015 - May 2017**
Clemson University, Clemson, SC, U.S.A. G.P.A. - 3.4/4.0
- B.E. - Mechanical Engineering** **August 2009 - May 2013**
University of Pune, Pune, MH, India

SKILLS

- **UX Research** – Usability Testing, Interview, Personas, Cognitive Walkthrough, Experimental Design, Card Sorting, Qualitative and Quantitative Data Analysis, CFA, SEM, ANOVA, Regression Analysis, Hypothesis Testing
- **UX Design** – Adobe (Experience Design-XD, Muse, InDesign, Photoshop, Illustrator), Axure RP, Balsamiq
- **Data Analysis** – R, M-plus, R-QDA (Qualitative Data Analysis)

UX RESEARCH EXPERIENCE

- Graduate Research Assistant** **May 2016 – Till date**
Clemson University, Clemson, S.C., U.S.A.
- Project: Managing Privacy in Household IoT environments**
- Assisted in developing script, video and survey questionnaire to be shown to participants of the user study.
 - Conducting statistical data analysis using R and R-Studio to develop path models which explain attitude-behavior relationships and mediating parameters of study.
- Project: Data driven approach to design IoT Privacy Settings Interfaces**
- Conducted statistical data analysis on existing dataset from 200 participants using R and M-Plus to establish an attitude-behavior based privacy decision making model for generalized IoT environments.
 - Designed privacy setting interfaces using Axure RP, based on inferences drawn from data analysis.
- Project: Examining generational differences in Adoption and Use of IoT Technologies.**
- Worked on cleaning and organizing available qualitative data and prepared it for data analysis.
 - Conducted qualitative data analysis to understand factors influencing IoT adoption across different generations of users.

UX DESIGN EXPERIENCE

- Project: Managing Privacy in Autonomous Driving Vehicle** **August 2017- December 2017**
- Interviewed potential users to gather privacy related needs and developed prototype using Adobe XD.
 - Conducted usability tests with designed prototype to understand areas for improvement, designed user study which included scenarios with timed tasks, System Usability Surveys and Think Aloud methods.
- Project: Design Mobile based Application for Vocational Training Module** **May 2017 - August 2017**
- Existing system was a standalone desktop software. The aim was to make an application which could be used on a Mobile phone with touchscreen and other sensors.
 - Conducted usability tests on existing system and conducted user interviews to gain insights into user needs.
 - Designed and tested cell-phone based app using Adobe XD and Adobe Photoshop modules.

Project: Design and Implement Website for Sam's Gyro, Clemson

January 2017 - May 2017

- Gathered user needs by interviewing users, created user personas and conducted competitive benchmarking.
- Designed the website using Axure RP and conducted usability tests to develop the final website.

PUBLICATIONS

- Paritosh Bahirat, Yangyang He, Abhilash Menon and Bart P. Knijnenburg. "A Data-Driven Approach to Developing IoT Privacy-Setting Interfaces". *In Proceedings of the 2018 ACM International Conference on Intelligent User Interfaces (IUI'18)*
- Paritosh Bahirat, Qizhang Sun and Bart P. Knijnenburg. "Scenario Context v/s Framing and Defaults in Managing Privacy in Household IoT". *In Proceedings of the 2018 ACM International Conference on Intelligent User Interfaces (IUI'18)*

AWARDS

- Best Paper Award at ACM IUI 2018 for paper titled "A Data-Driven Approach to Developing IoT Privacy-Setting Interfaces"

WORK EXPERIENCE

Project Engineer

June 2013 – June 2015

ThyssenKrupp Industries India Pvt. Limited, Pune, India

- Co-ordinated between various stake holders of projects; from client to internal departments of company.
- Ensured that product deliveries were completed within strict deadlines while ensuring minimum costs.
- Played vital role in strategic product planning, procurement and manufacturing planning.

Graduate Teaching Assistant,

Clemson University, Clemson, SC, U.S.A.

December 2016 – May 2016

- Assisted faculty with coursework (Human Factors in Risk Engineering) development.
- Prepared presentations and graded assignments.