

Paritosh Bahirat

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EDUCATION

PhD - Human Centered Computing

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

May 2017 - Till Date

G.P.A. Of 4.0/4.0

M.S. - Industrial Engineering (*Focus – Human Factors*)

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

August 2015 - May 2017

G.P.A. Of 3.4/4.0

B.E. - Mechanical Engineering

University of Pune, Pune, MS, India

August 2009 - May 2013

EXPERIENCE

Graduate Research Assistant

Clemson University, Clemson, S.C., U.S.A.

May 2016 – Till date

Project: Data driven approach to design IOT Privacy Settings Interfaces

- The project was focused on analyzing the attitudes and behaviors of users while managing privacy in generalized IoT environments. This was done by presenting various scenarios to users and obtaining the responses using survey.
- Conducted statistical data analysis using R and M-Plus to establish a privacy decision making model.
- Also used Axure RP to propose designs which are based on statistical outcomes.

Project: Examining generational differences in Adoption and Use of IOT Technologies.

- This project included conducting semi-structured interviews of students and their parents to unearth the differences in adoption, use and privacy perspectives among different generations. To study privacy, the experiment uses Contextual Integrity framework.
- Conducted qualitative data analysis to help conceptualize theory about adoption patterns of potential IoT users.

Advisor: Dr. Bart Knijnenburg (School of Computing, Clemson University)

Graduate Teaching Assistant

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

January 2016 – April 2016

- Assisted with coursework (Human Factors in Risk Engineering) development.
- Developed power point presentations, graded assignments and managed student queries.

Mentor: Dr. Kapil Chalil Madathil (Department of Civil Engineering)

Project Engineer

ThyssenKrupp Industries India Pvt. Limited, Pune, India

June 2013 – June 2015

- Co-ordinated between various stake holders of the project; 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.

SKILLS

- **User Experience** – Usability Testing, Interview, Personas, Cognitive Walkthrough, Experimental Design, Card Sorting, Qualitative and Quantitative Data Analysis
- **Statistical Analysis** – R, M-plus
- **Rapid Prototyping** – Adobe (Photoshop, Experience Design-XD, Muse), Axure RP, Balsamiq

PAPERS

- Page X., Bahirat P., Safi M., Knijnenburg B., Wisniewski P.; "The Internet of What?" Understanding Differences in Perceptions and Adoption for the Internet of Things. *[Under Review at CHI 2018]*
- Knijnenburg B., Bahirat P., Menon A., He Y.; A Data-Driven Approach to Developing IoT Privacy-Setting Interfaces. *[Under Review at IUI 2018]*

ADDITIONAL PROJECTS

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, created Personas by conducting interviews with stakeholders.
- Conducted competitive benchmarking.
- Designed the website using Axure RP and conducted usability tests to develop the final website.

Project: Website Design BodyTherapy Inc. **May 2016 - August 2016**

- Conducted Usability Testing of existing website.
- Re-designed the website based on the results of usability tests.

Project: United States Engine Valves- USEV **May 2016 - August 2016**

- Conducted Usability Testing and Ergonomic Evaluation of the existing forge press setup, finish end and Visual Inspection stations for the manufacturer.
- Proposed workstation designs based on the results of usability tests.