



Xipei Ren

Design Researcher of Smart Health

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EDUCATION

- 09.2014 - 02.2019 **Ph.D. in Industrial Design | Eindhoven University of Technology, NL**
- 10.2012 - 10.2013 **Exchange M.S in Architecture Design | Kumamoto University, JP**
- 09.2011 - 06.2014 **M.S in Industrial Design Engineering | Shandong University, CN**
- 09.2007 - 06.2011 **B.S in Industrial Design | Nanjing University of Science and Technology, CN**

EMPLOYMENT

- 09.2018 - now **Postdoc Researcher | Eindhoven University of Technology, NL**
Vitality Data Centre, Department of Industrial Design
- 09.2018 - 09.2019 **UX Design Researcher | HumanTotalCare, NL**
AI & Data Science, Department of Research & Business Development

TEACHING

- 02.2015 - now **Project Coach | Eindhoven University of Technology, NL**
theme leader of *Office Vitality*, Studio Silver Squad
- 09.2018 - now **Ph.D. Advisor | Eindhoven University of Technology, NL**
supervision of Ph.D. student - Sibó Pan, *Design for Healthy Eating at Work*
- 09.2019 - now **Guest Lecturer | Central Academy of Fine Arts, CN**
leading teacher of the program *Life Probing for Future Workstation*
- 11.2016 - 01.2017 **Teaching Assistant | Eindhoven University of Technology, NL**
user learning line course
- 07.2015 - 07.2017 **Guest Lecturer | Zhejiang University, CN**
ZJU-TU/e business design Isummer school, International Design Institute

RESEARCH GRANTS

- 11.2019 - 11.2020 **Individual Applicant/Recipient | NWO KIEM Creative Industries grant**
Smart Office for Promoting Healthy Behaviors in the Work Routine
- 06.2018 - 10.2018 **Main Applicant/Recipient | 4TU federation Design United - Mind the Step**
LightSit: an unobtrusive health-promoting system for healthy microbreaks

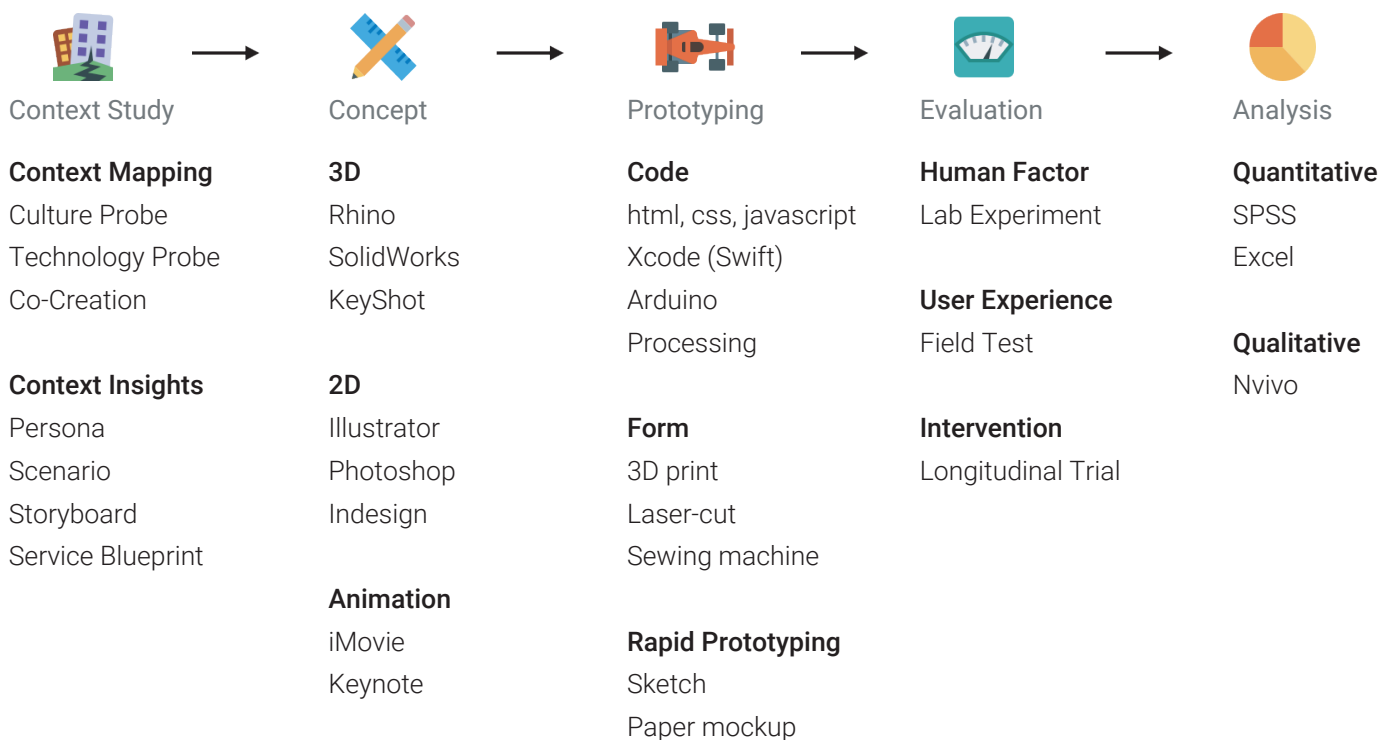
PROJECT PARTICIPATIONS

- 09.2018 - now **Postdoctoral Researcher & Designer | Vitality Data Centre | Work in Progress**
- 02.2016 - 10.2018 **Prototype & Research Support | REACH Horizon 2020 | Work in Progress**
- 09.2017 - 12.2017 **Prototype Support | FitWork Erasmus + | Concluded**

ACADEMIC SERVICES

- since 2019 **Reviewer | Journal of Medical Internet Research**
- since 2019 **Reviewer | International Journal of Environmental Research and Public Health**
- since 2017 **Reviewer | internationally recognized conferences, e.g, CHI, DIS, CHI Play, etc.**

COMPETENCY DOMAINS



RESEARCH PUBLICATIONS



Journal Articles

Ren, X., Yu, B., Lu, Y., Zhang, B., Hu, J., and Brombacher, A. **LightSit: an unobtrusive health-promoting system for relaxation and fitness microbreaks at work.** *Sensors*, 2019. [Five-year impact factor: 3.302.](#)

Ren, X., Yu, B., Lu, Y., Chen, Y., and Pu, P. **HealthSit: designing posture-based interaction to promote exercise during fitness breaks.** *International Journal of Human-Computer Interaction*, 2019. [Five-year impact factor: 1.905.](#)

Ren, X., Yu, B., Lu, Y., and Brombacher, A. **Exploring cooperative fitness tracking to encourage physical activity among office workers.** *Proceedings of the ACM on Human-Computer Interaction*, 2018. [Full paper presentation at ACM CSCW 2018.](#)

Valk, C., Lu, Y., **Ren, X.**, Wintermans, M., Kraaijevanger, I., Steenbakkens, J., and Visser, V. **Towards personalised persuasive strategies for active ageing.** *Gerontechnology*, 2017.

Pan, S., **Ren, X.**, Brombacher, A., and Vos, S. **Design opportunities to encourage healthy eating at the office: an experience sampling study.** [under review.](#)



Conference Papers *first authored*

Ren, X., Spina, G., Faber, B., and Geraedts, A. **Engaging stakeholders to design an intelligent decision support tool in the occupational health context.** *In CHI' 20*, ACM.

Ren, X., Wang, Z., Nast, C., Ettema, D., and Brombacher, A. **Integrating industrial design and geoscience: a survey on data-driven research to promote public health and vitality.** *In DPH' 19*, ACM.

Ren, X.*, Hollander, L.*, Marel, R.*, Molenaar, L.*, and Lu, Y. **Step-by-Step: exploring a social exergame to encourage physical activity and social dynamics among office workers.** *In CHI' 19*, ACM. [*equally contributed as co-first authors.](#)

Ren, X., Ma, Y., Lu, Y., and Brombacher, A. **ShuttleKicker+: designing gamified sonification to augment the physical leisure activity.** *In CHI Play' 17*, ACM.

Ren, X., Lu, Y., Oinas-Kukkonen, H., and Brombacher, A. **Perswedo: introducing persuasive principles into the creative design process through a design card-set.** *In INTERACT' 17*, Springer.

Ren, X., Lu, Y., Visser, V., Le, P. H., and van den Burg, R. **Interaction matters? exploring interactive music as a reminder to break sedentary office time.** *In ISARC' 17*, IAARC.

Ren, X., Visser, V., Lu, Y., Brankaert, R., Offermans, S., and Nagtzaam, H. **FLOW pillow: exploring sitting experience towards active ageing.** *In MobileHCI' 16*, ACM.

Ren, X., Lu, Y., Brombacher, A., and Bekker, T. **ShuttleKickers: exploring social persuasions to encourage physical activities.** *In British HCI' 16*, ACM.

Ren, X., Lu, Y., Brombacher, A., and Bogers, S. **Mind the gap: probing exertion experience with experiential design landscapes.** *In ADMC' 16*, DMI.



Conference Papers
non-first authored

Pan, S., **Ren, X.**, Brombacher, A., and Vos, S. **Designing technology to encourage healthy eating at work.** In *DPH' 19*, ACM.

Ma, Y., Bekker, T., **Ren, X.**, Hu, J., and Vos, S. **Effects of playful audio augmentation on teenagers' motivations in cooperative physical play.** In *IDC' 18*, ACM.

Lu, Y., **Ren, X.**, Valk, C., den Haan-Wintermans, M., van Berlo, A., Li, P., Li, T., Li, J., and Yang, G. **Situating societal challenges in an industrial design classroom.** In *ADMC' 18*, DMI.



Theses & Chapters

Ren, X. **Work or workout? designing interactive technology for workplace fitness promotion.** Ph.D. dissertation. *Technische Universiteit Eindhoven*, 2019.

Lu, Y., Brankaert, R., Valk, C., den Haan, M., and **Ren, X.** **Designing digital services to enhance older person's access to public transport.** *Urban Environments for Healthy Ageing: A Global Perspective*, 2019.

DESIGN EXHIBITIONS

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| 10.2018 | LightSit Selected Design Project
Mind the Step, Dutch Design Week |
| 10.2016 | Flow Pillow Invited Exhibition
World Design Capital Taipei |
| 09.2013 | Rain House Honorable Mentioned Work
Design Contest of Architectural Institute of Japan |