

# Puhe Liang

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Portfolio: <http://liangpuhe.com>

## Education

M.S. in School of Information, University of Michigan  
2019.4

B.E in Software Engineering, Tongji University  
2015.6

## Honor

SAP Student Ambassador  
2014-2015, The merely one in Asia Pacific Area

Tongji University scholarship  
2013, Social Contribution Scholarship  
2014, Study Scholarship

## Working Experience

### Research Assistant | Information Interaction Lab

2017.11 - present

*Advised by Professor [Michael Nebeling](#)*

- Built a multi-display AR driving simulator via AFrame.JS, explored AR experience in five major driving scenarios
- Designing light-weight AR/VR prototyping tool by 360° images and web technology

### Developer | SAP Headquarter & Shanghai Labs

2014.7 - 2017.8

- Implemented warehouse management(EWM) web application; Worked with product owner, designed workflow, conducted user test with warehouse workers on iPad, improved supervising efficiency of warehouse process
- Developed handheld device RF (Radio Frequency) for warehouse task operation; prototyped on Raspberry Pi
- Worked as scrum master in 2016 IoT Innovation Challenge, won the global second prize

### HCI Engineer | CDI Design Lab

2014.1 - 2014.5

*Advised by Professor [Xiaohua Sun](#)*

- Conducted needs assessment of four user roles, developed a Java-based reservation system for media laboratory and smart devices
- Collaborated with designers and hardware engineers, researched, designed, developed web application for enlightenment toys

## Research Projects

### Older Adults Technology Using Experience

2017. 9 – present

*Advised by Professor [Robin Brewer](#)*

- Developed quantitative research questions based on NHATS and HRS survey data
- Conducted qualitative user research on food preparing activities, intra-family online communication, and technology familiarity; designed computer supported collaborative experience, to engage remote family members via family dish recreation activity

### Uncertainty Information Visualization

2018. 1 – present

*Independent Study with Professor [Matthew Kay](#)*

- Reviewing design features of uncertainty discrete visualization techniques, including Dotplot, Icon Array, Hypothetical Outcome Plots

### Deep Learning Photo Classification

2015. 2 - 2015. 6

*Graduation Thesis advised by Professor [Weixiong Rao](#)*

- Experimented convolutional neural network use in travelling photo classification via ConvNetJS; Created training and testing dataset with travelling photos shot by students