

# Puhe Liang

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Portfolio: <http://liangpuhe.com>

## Working Experience

### **Research Assistant | Information Interaction Lab** 2017.11 - present

- Built a multi-display AR driving simulator via AFrame.JS, explored AR experience in five major driving scenarios
- Evaluated five web interactive prototyping tools for AR/VR applications, to improve wizard-of-oz prototyping experience developed in the lab

### **Developer | SAP Headquarter & Shanghai Labs** 2014.7 - 2017.8

- Designed and visualized warehouse task data from cloud database in SAP EWM web application, improved supervising efficiency of warehouse process; interviewed and discovered needs in workspace
- Worked as scrum master in 2016 IoT Challenge, won the global second prize, facilitated team communication with external stakeholders

### **HCI Engineer | CDI Design Lab** 2014.1 - 2014.5

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

## UX Projects

### **UX Consultant | Gifts of Art, Michigan Medicine** 2017. 9 - 12

- Understood and scoped the art archiving needs of the manager, regular workers, and volunteers
- Interpreted interview notes, created user flows and affinity wall, introduced a digital design solution for inventory management, fulfilled user interaction needs

### **Product Designer | Co-Express Dispatcher** 2017. 9 - 12

- Prototyped an express dispatcher tool, tackling the problem in apartment express searching, by tenant collaboration
- Framed design problem, conducted competitive analysis, created storyboard and personas, interviewed seven users

### **UX Designer | 2018 CHI Design Competition** 2017. 9 - 2018. 1

- Explored interactive experience to engage remote family members via family dish recreation activity
- Conducted user research on food preparing activities, intra-family online communication; designed mobile tool to facilitate remote collaboration

### **UX Engineer | Complex Web Design Course** 2017. 9 - 2018. 1

- Developed a rating website <https://fresh-cherry.appspot.com>, used Angular.js and Jinja2, designed accessibility interactions refer to BBS News
- Developed responsive personal portfolio, included interactive display of infographic design, using D3.js and SVG.js

## Education

### M.S. in Information

University of Michigan | *Ann Arbor*  
2019.4

### B.E. in Software Engineering

Tongji University | *Shanghai*  
2015.6

### Exchange in Software Engineer

Uppsala University | *Sweden*  
2014. 1 - 2014. 6

## Skill

### UX

Affinity Analysis  
Contextual Inquiry  
Competitive Analysis  
Graphic Design  
Personas  
Prototyping  
Storyboarding  
Usability Test  
Wireframe

### Programming

Javascript  
HTML5, CSS3  
Python, C++

### Tools

Sketch  
Axure, Invision, Principle  
Photoshop, Illustrator, Animate  
Raspberry Pi  
jQuery, Angular.js, D3.js

## Honor

### Tongji University scholarship

2013, Social Contribution Scholarship  
2014, Study Scholarship

### SAP Student Ambassador

The merely one in Asia Pacific Area  
2014-2015

### First Prize in Drama Festival

Vice president of Dongli Drama  
2014