Puhe Liang

Email: puhe@umich.edu
Tel: 630 861 8888
Portfolio: http://liangpuhe.com

Working Experience

HCI Research Intern | Alibaba Damo Academy   2018.5 – 9

Design and prototype interactions on mid-air 3D virtual object, programmed on Unity for autostereoscopic display, integrated with LeapMotion gesture control and haptic feedback.
Conducted three user studies to understand intuitive mid-air interaction gestures, user's perception on 3D depth w/o touches involved.

Research Assistant | Information Interaction Lab   2017.11 - 2018.5

Built a multi-display AR driving simulator via AFrame.JS, explored AR experience in five major driving scenarios.

Developer | SAP Headquarter & Shanghai Labs   2014.7 - 2017.8

Designed and visualized warehouse task data in SAP EWM web application, enabled complex analysis, 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.

UX Projects

Voice UX, Chattie   2017. 9 - 2018. 6

Designed voice-based companion for practicing conversations in new languages.
Conducted user study to understand the needs in language learning and non-native speaker user using voice assitant; prototyped conversational flows to engage users in the learning features, based on speed-dating results; iterated feature design after wizard-of-oz testing.

Collaborative Tool, Co-Express Dispatcher   2017. 9 – 12

Designed an express dispatcher tool, to tackle the problem of apartment express package searching, using iPad interface to support tenant collaboration.
Interviewed seven users, framed the design problem, conducted competitive analysis, created storyboard and personas, iterated prototypes in three fidelitied through user tests.

Social Computing, Tweety Holmes   2017. 9 - 2018. 1

Developed a Chrome Extension to identify abusive user profile on Twitter.
Utilized the abusive deictionary to detect potantially offensive accounts; designed a new UI module overlaying on the Twitter profile, to warn visitors the abusive account with conclusive information, aiming to reduce online abusive behavior.

Web Design and Development   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.

UX System Consultant, Gifts of Art | Michigan Medicine   2017. 9 – 12

Interviewed manager, regular workers, and volunteers, interpreted interview notes to scope the art archiving needs.
Created affinity wall and user flows, introduced a digital design solution for inventory management, designed UI interactions to support the work flow.

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
Conversational Design
Graphic Design
Personas
Prototyping
QOC
Storyboarding
Usability Test
Wireframe

Programming
Javascript , HTML5, CSS3
Python, C++
Unity

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

Honor

Student Design Competition 1st prize
2018, UXPA

Tongji University scholarship
2013, Social Contribution
2014, Study Scholarship

SAP Student Ambassador
2014-2015

First Prize in Drama Festival 2014
Vice president of Dongli Drama