

Puhe Liang

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Work Experience

Developer, UX Advocator | SAP Shanghai Labs 2014.7 - 2017.8

Designed and delivered enterprise web applications on desktop and mobile devices to facilitate complex supply chain processes in SAP EWM; considered design in warehouse work space with work flows of multiple user roles; visualized data to enable meaningful analysis, improved supervising efficiency of warehouse process. Won global second prize in 2016 IoT Challenge, worked as scrum master in a diverse team, responsible for communicating design decisions with all-level stakeholders.

HCI Research & Design Intern | Alibaba, Sunnyvale 2018.5 - 9

Designed and tested in levels of fidelities for mid-air 3D interactions; partnered with engineers, researcher scientists, prototyped on Unity for stereoscopic display; integrated design with LeapMotion gesture control and haptic feedback. Conducted three user studies to understand intuitive mid-air interaction gestures, user's perception on 3D depth with and without touches involved.

Graduate Student Instructor | University of Michigan 2018.8 - present

Lead in-class design activities in SI612: Pervasive Interaction Design; Lecture IoT programming for physical prototyping.

UX Projects

Voice UX, Chattie 2017.9 - 2018.6

Winner in 2018 UXPA Student Design Competition

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 assistant; used speed-dating to compose natural conversation flows, aiming to engage users in the learning features; iterated feature design with wizard-of-oz testing results.

Collaborative Tool, Co-Express Dispatcher 2017.9 - 12

Designed an express dispatching tool to tackle the problem of package searching, using simple UI and interactions on touch interface to support crowd collaboration. Interviewed seven users, framed the design problem, conducted competitive analysis, created storyboard and personas, prototyped and tested in three fidelities.

Social Computing, Tweety Holmes 2017.9 - 2018.1

Presented in CSCW 2018 Demo

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

Handsfree Human-robot Interaction, EyeU 2018.7 - 2018.10

Finalist in 2018 UIST Student Innovation Contest

Built an Mblock robot controlled by gaze, designed visual cues to support natural eye interactions; implemented ARKit2 App to retrieve gaze directions on iPhone depth camera.

System Consultant, Gifts of Art | Michigan Medicine 2017.9 - 12

Introduced a digital-paper hybrid design solution for art inventory management team; conducted affinity analysis, created user journey, coded five interviews with manager, regular workers, and volunteers.

Education

M.S. in Information

University of Michigan | Ann Arbor
2019.4

B.E. in Software Engineering

Tongji University | Shanghai
2015.6

Study Abroad

Uppsala University | Sweden
2014.1 - 2014.6

Skills

Tools

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

UX

Affinity Analysis
Contextual Inquiry
Competitive Analysis
Conversational Design
Graphic Design
Personas
Prototyping
QOC
Storyboarding
Usability Test
Wireframe
Work Flow

Programming

Javascript, HTML5, CSS3
Python, C++
Unity

Leadership

SAP Student Ambassador
The only one in Asia Pacific Area

Vice president of Dongli Drama
First Prize in Drama Festival 2014

Graduate Student Instructor
Lead labs for IoT prototyping

Design Thinking Workshop Coach
2016-2017 in SAP