Puhe Liang

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Work Experience

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.

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, considered usability and driving safety.

Developer | SAP, Headquarter & Shanghai Labs   2014.7 - 2017.8

Designed and delivered web applications to facilitate complex warehouse process in SAP EWM; visualized data to enable meaningful analysis, improved supervising efficiency of warehouse process; learned needs, behaviors in user's workspace. Worked as scrum master in 2016 IoT Challenge, won the global second prize, responsible for communicating design decisions with stakeholders.

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 assitant; 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
Accepted by 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.

Web Design and Development, Fresh Cherry   2017. 9 - 2018. 1

Developed a website to promote health awareness of sanitary product, used Angular.js and web template Jinja2, considered accessibility.

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, mapped user journeys. 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

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