

Puhe Liang

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Work Experience

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

Partnered with engineers, researcher scientists, designed and prototype in levels of fidelity for mid-air 3D interactions, 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 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 delivered web applications to facilitate complex warehouse process in SAP EWM, visualized data to enabled 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, communicated and articulated design decisions with 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 assistant; 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 with simple UI to tackle the problem of package searching, using a touch interface to support crowd collaboration. Interviewed seven users, framed the design problem, conducted competitive analysis, created storyboard and personas, iterated prototypes in three fidelities 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 dictionary to detect potentially 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, Fresh Cherry 2017. 9 - 2018. 1

Developed a website to promote health knowledge of sanitary product <https://fresh-cherry.appspot.com>, used Angular.js and Jinja2, considered accessibility. Developed responsive personal portfolio, included interactive display of infographic design, using D3.js and SVG.js.

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 to 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

Skills

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

Tools

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

Courses

Fundamentals of Human Behavior
Contextual Inquiry
Graphic Design
Information Visualization
Experimental Social Computing
Needs Assessment & Usability Evaluation
Marketing Research Design
Ethics of Robotics
Pervasive Interaction Design
Project Management