

Linying SHANGGUAN

Looking for a GRA/GA position

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SKILLS

Programing

HTML/CSS/Javascript, C#, C, Python, R, d3

Design

Adobe products, Sketch, Figma, Axure

Engineering

Pro/E, Solidworks/3dMax, Matlab, AMESim, ADAMS

INTERESTS

Research Methods for HCI, Inform Visualization.

AWARDS

HengLi Scholarship ^(5%) Merit student in ZJU ^(10%) First Prize in *SoFE* CAU ^(5%) President Scholarship ^(0.5%) National Scholarship ^(1%) Beijing Merit Student ^(0.2%) For two years ^(1st person)

PUBLICATIONS

L. Shangguan, B. Hu, Y. Zhou, J. Gao, Q. Lang and Q. Wang, "Implementation of a simulation platform for BCM with xPC target," *2016 IEEE ICIEA*, Hefei, 2016, pp. 55-60.

Gao, D., Wang, Q., Lei, Y., Chen, Z., & Shangguan, L. (2015). Online Real-Time Estimation of Response Time for Periodic Messages in Controller Area Networks. *Mathematical Problems in Engineering*, 2015.

EDUCATION

Georgia institute of Technology Atlanta, GA

Aug 2017 - Present

M.S. in Human Computer Interaction in Interactive Computing track

Zhejiang University Hangzhou

Mar 2017

M.S. in Mechatronic Engineering

GPA 3.72, ranking 1/45

China Agricultural University Beijing

Sep 2014

B.E. in Mechatronic Engineering at College of Engineering

GPA 3.87, ranking 3/105

PROJECTS (Processing)

Headphone purchasing service Improvement

UX designer, Aug 2017 - Present

- Interviewed salespeople @ Target & BestBuy & customers of headphones
- Made affinity diagrams based on interpreting interview notes

Second-hand bike purchasing

UX designer, Aug 2017 - Present

- Interviewed volunteers of Start Bike @ GT, customers of second-hand bikes
- Collected a survey of 82 second-hand-bike customers
- Sketching webpage wireframes in Axure, doing Hi-Fi prototypes in Figma

Pets Popularity Visualization

Designer & Developer, Aug 2017 - Present

- Collected information of popular pets across U.S
- Displayed data with responsive design

WORK EXPERIENCE

Remote UI Designer, User Researcher UXOFFER, Bay Area

Sep 2016 - Present

- Redesigned homepage of Wemart, providing themes for e-commercial websites

Software Engineer HuaTai Co., LTD, Hangzhou

Dec 2014 - Jun 2016

- Developed a prototype for China Railway Large Maintenance Machinery Group Co., Ltd.
- Allocated work to each developer and combined code using Tortoise Git merge.

LEADERSHIP

President of IMechE CAU Student chapter

Sep 2012 – 2013

- Organized competitions/ Manage budget/ Lead teams to attend international events

RESEARCH

Research Assistant: Instability in winch

Dec 2015 - Jan 2017

Advisor: Professor. Qingfeng Wang Zhejiang University, Hangzhou

- Analyzed system stability in a synchronous motor situation by classic control theory
- Simulated in Amesim & Matlab with self-built modules about hydraulic parts of a winch
- Put forward parameter identification method to deal with immeasurable parameters

Research Assistant: Real-time Hardware-in-the-Loop Simulation of Ballast Cleaning Machines (BCM)

Dec 2014 - Jun 2015

Advisor: Professor. Qingfeng Wang, Zhejiang University, Hangzhou

- Built a UI interface in .NET C# Winform, a 3D machine model in Solidworks, Unity3D
- Enabled parameter modification, curve display & data storage in XML
- Increased data transmitted per timeframe by applying multi-threads with TCP & UDP