

# Gaby ShangGuan *Looking for 2018 Summer UX Internship*

Make things USEFUL & BEAUTIFUL

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## ✂ SKILLS

### Design

Lo-Fi/Hi-Fi Prototyping,  
Personas, Wireframing,  
Journey map, Storyboard

### Research

Affinity Diagram,  
Competitive Analysis,  
Contextual inquiry,  
Focus Group, Interviews,  
Usability Testing,  
Heuristic Evaluation,  
Survey Design

### Programming

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

### Tools

Brackets, Axure, Qualtrics, Sketch,  
Figma, Tableau,  
Adobe products

## 📍 INTERESTS

Research Methods for HCI,  
Inform Visualization.

## 🏆 AWARDS

HengLi Scholarship; Merit  
student in ZJU; First Prize in  
SOFE CAU; President  
Scholarship, National  
Scholarship, Beijing Merit  
Student, For two years;

## 📖 PUBLICATIONS

L.Shangguan, B. Hu, Y. Zhou, J.  
Gao, Q. Lang and Q. Wang,  
"Implementation of a simula-  
tion 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 Pro-  
blems 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

**Headphone purchasing service Improvement** UX designer, Aug 2017 - Present  
• Helps people to choose headphones in physical stores  
• Our team designed a kiosk which can give recommendations based on customers' preferences and show them where to try out the headphone  
• Besides my research with contextual inquiry, survey and usability test, I also was mainly responsible for the Lo-Fi and Hi-Fi prototype, as well as the interactive one

**SecondBuy** UX designer, Aug 2017 - Present  
• Helps GeorgiaTech become more eco-friendly by riding bikes  
• Our team designed a physical bike pool and a near-complete buy & sell used bike process  
• I started with contextual inquiry and interview in a local used bike selling spot; Based on findings, I made affinity mapping about users' pain points; Later I helped the interaction prototype and designed usability evaluation of our prototype

**SpeedDating Visualization** Designer & Developer, Aug 2017 - Present  
• To find out what kind of person is the most attractive and what attributes fe/male look for  
• I Came up with a circular parallel coordinates diagram in a heart shape and made a website to introduce our project

## 👤 WORK EXPERIENCE

**Remote UI/UX Designer, User Researcher** UXOFFER, Bay Area Sep 2016 - 2017  
• 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

**President of IMechE CAU Student chapter** Beijing Sep 2012 - 2013  
• Organized competitions/ Managed budget/ Led teams to attend international events

## 🔬 RESEARCH

**Research Volunteer: Wechat study** CAT lab of GeorgiaTech Sep 2017 - Present  
• Transcribed and Analyzed Wechat business interview data  
• Coding transcripts, extract key points

**Research Assistant: Instability in winch** Dec 2015 - Jan 2017  
• 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  
• 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