Yangtao Zhang

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EDUCATION

University of Michigan, School of Information

Master of Science in Information, with a Specialization in **Human-Computer Interaction**   Anticipated Aug.2020

- **Course Highlights**: Interaction Design, Complex Website, Human Fundamentals, Contextual Inquiry

Shanghai Jiao Tong University, Joint Institute

Bachelor of Science in **Electrical and Computer Engineering**, Second Major: **Industrial Design,** Minor: **Entrepreneurship**

- **Course Highlights**: Data Structures and Algorithm, Mobile App Development for Entrepreneurs, Computer Organization, Creative Design for Graphic, Improved Product Design, Ergonomics, Statistic Methods in Engineering

EXPERIENCE

GE Appliances, First-Build   Jan.2018-May.2018

Product Designer Intern

- Drove user research (via interviews, surveys and user data analysis), created personas and scenarios
- Modeled, prototyped the product and conducted multiple rounds of usability tests through iterations from sketches, models, prototypes to real products under *ergonomic* perspective

Arcadis, Project Management App   Sep.2017-Jan.2018

UX designer / Front-end Developer

- Conducted competitive analysis among popular project management tools and team collaboration tools like *Teambition, Trello, Worktile*
- Prototyped a multi-layer live-collaboration project management App to enhance the efficiency of project management and team collaboration. Designed the UI for the App
- Developed (Java for Android) and tested the App in an agile development process

PROJECT

Improved Portable Shower Gel Ball   Feb.2018-Jun.2018

Team Leader / Product Designer – *Team Size: 4*

- Researched on various kinds of shower gel, categorizing them based on features
- Connected more than one features together to create possible improvement
- Verified improvements demonstrating user needs and tested its performance on enhancing user experience

Pressure-outlet Music Box   Sep.2017-Dec.2017

Product Designer / Electrical Engineer – *Team Size: 2*

- Ideated the product concept through brainstorm, interview, scenario and storyboard
- Iterated on prototypes on over 9 drafts, 3 models, 1 real product
- Designed the circuit and achieved functions like playing music based on users' force

Motion-sensing Wireless Glove-like Mouse   Sep. 2015-Feb.2016

Team Leader / Electrical Engineer – *Team Size: 5*

- Used accelerometer and 3-axis gyroscope to capture the acceleration and coordinates
- Transferred he acceleration and coordinates into the direction and velocity of mouse cursor
- Designed the layout for all electrical components and combined it with a glove

SKILLS

UX: Wireframe, Storyboard, Prototype, Persona/Scenario, Visual Design, Contextual Inquiry, Usability Test

Programming: C/C++, Python, HTML/CSS, JavaScript, Arduino, Android

Tools: Adobe Photoshop, Adobe Illustrator, Sketch, Rhino, 3dsMax, Matlab, Android Studio