



曹金

Career direction in UX Research Lead--Focus on new tech experience in communication, efficiency, finance & health, Research in media interaction and invention.

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Dallas TX, USA

Shanghai & Zhejiang, China

Nationality: Chinese

H1B Visa till 2023/11

## EDUCATION & SKILLS

### Education:

09/2015-06/2017 **Rhode Island School of Design**  
Master of Industrial Design GPA 3.34/4

09/2011-06/2015 **Zhejiang University – Computer Science Campus**  
Major in Industrial Design GPA 3.88/4

09/2013-12/2013 **Singapore University of Technology and Design**  
Major: Engineering Product Development

### Skills:

**Design strategy:** Users-centered design, Critical design

**Research & UX:** Information architecture, Information design, Psychological design research, Consumer modeling, Experiment design, Psychometric analysis, Surveys, Usability studies(lab-based), Prototyping testing, Use Case Scenarios.

**Prototype:** Conceptual models with Axure, Sketch, Principle. InVision, Justinmind, Arduino, Sketches.

**UI:** Prototyping / front-end development, Visual design with Adobe Suites (including InDesign, Illustrator, Photoshop).

**Interaction:** Max Cycling, After Effects, final cut pro.

**Programming:** Java, Python, Html/CSS, JavaScript, Processing, Grasshopper for Rhinoceros, Dreamweaver.

**Exhibition:** Keynote.

**3D Modeling:** Conceptual models with AutoCAD, Solidworks, Rhinoceros, KeyShot.

## WORK EXPERIENCES

06/2018-  
now  
TX **Samsung Research America Innovation Design Lead**  
-Standards terminal patents generation (Disclosure of invention writing): based on Standards related Media interaction, UX of AR, RGB-D camera 3D detect / track / rebuild, RF related sensors innovation. (10 DOIs include filing and draft)  
-Responsible for leading the innovation design prototype / Programming in multiple team: Samsung Robot, Samsung Distributed FD-MIMO enclosure fabrication, RF radar module placement design.

11/2017-  
05/2018  
TX **Samsung Research America Industrial Designer (Band II)**  
-SRA Digital Art Campaign winner, Design works put on SRA front web page for 2 months.  
-UX / motion design for Samsung AR chat app / related project. APK build.  
-UX/motion prototype design and programming for Samsung AR photo / related project.  
-Concept development of Samsung uTab, a mobile content quick searching app.  
-Prototype / 3D modeling for Samsung AR glasses / phone project / related project.

06/2017-  
12/2017  
NJ **Center Stage Display Productions Creative Project Manager**  
UX IA Design / Develop of the CSP Webs & App. Approved of H1B Visa.

01/2017-  
02/2017  
RI **Rhode Island School of Design TA of Designing Polygonal Modeling**  
TA of Designing with Polygonal Modeling. Help student with interaction designs.

06/2016-  
01/2017  
RI **Brown University Computer Vision in Engineering (Visiting Research Fellow)**

Interaction and industrial design for Blind navigation system in EE department lab.

05/2015-  
09/2015  
Zhejiang **China Telecom UX Designer**  
China telecom TianYi reading app UI design, prototype design, interaction design and user testing with the design team

01/2015-  
05/2015  
Zhejiang **Bosch PT-AC/ENG1-PA1 Fresh Graduate Internship**  
Electric drill's HCI movement process with feedback interaction optimization concept—Bit drilling test

10/2012-  
07/2015  
Zhejiang **Zhejiang University Prof. Huangqi's Lab HCI & UX designer Course projects**  
Cervical wearable hardware user's cervical motion background data analysis, Better users experience through design psychology and tests, UX design of the Cervical smart hardware's app

## ORGANIZATION & HONOR & PAPER & PATENT

### Orga.:

Till now  
2013-  
2015 **China Industrial Design Society, Member Hangzhou Jingsen Industrial Design Co., Ltd. Sole Founder & Sole Shareholder & General Manager with about 26 staffs**

2011-  
2013 **HCI of roboy in Zhejiang University, Member Industrial Design Society of ZJU, Vice President TED(xZJU), Volunteer**

### Honor:

2018  
2013  
2013 **Samsung: SRA Digital Art Campaign Winner Reddot: Reddot Design Award Winner Dong Guan Cup: Open Group Award in Dong Guan Cup International ID Competition Singapore ST: The 5th Place in Singapore ST Aero Economy Class Seat Design Competition**

2011-  
2015 **Scholarship: 4 times of Scholarship for Outstanding Merits & Excellent Student & Outstanding Students**

### Paper:

2017 **Designs: A Structurally Enhanced, Ergonomically and Human-Computer Interaction Improved Intelligent Seat's System**

2015 **ISTP: An Intelligent seat's System for Better Ergonomics and Human-Computer Interaction**

2014 **China Venture Capital: The Application of Chinese Traditional Element Design in Industrial Design**

### Patent:

2018 **10 DOIs include filing and draft (with Samsung Research America)**

2017 **3 Patents**

2014 **6 Patents (with China. Gaoneng Valve Group) Included:**  
Application no. : ZL 2014 2 2014 X  
Application no. : ZL 2014 2 0003367.4  
Application no. : ZL 2014 2 0003378.2  
**1patent**  
Application no. : ZL 2013 2 0321337.3