

# JUNNAN YU

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Department of Information Science, 1045 18<sup>th</sup> St, UCB 315, Boulder, CO 80309

## EDUCATION

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- 08/2017 – 2022  
(Expected) **University of Colorado Boulder** | Boulder, CO, USA  
Ph.D. Student, Information Science  
Advisor: Dr. Ricarose Roque
- 09/2014 – 03/2017 **Shanghai Jiao Tong University** | Shanghai, China  
M.A. in Design (**Graduated with honor**)  
School of Media and Design
- 09/2010 – 06/2014 **Zhejiang University** | Hangzhou, China  
B.E. in Industrial Design  
College of Computer Science and Technology

## EXPERIENCES

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- Summer 2020 **Research Intern**  
The Berkman Klein Center for Internet & Society, Harvard University  
Youth & Media Team, advised by Sandra Cortesi & Alexa Hasse
- 08/2017 – Current **Graduate Researcher**  
The Creative Communities research group  
Department of Information Science, University of Colorado Boulder
- 09/2014 – 03/2017 Design Management Institute, Shanghai Jiao Tong University

## PUBLICATIONS

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- JOURNALS [JP1] **Yu, J.**, & Roque, R. (2019) A Review of Computational Toys and Kits for Young Children. *International Journal of Child Computer Interaction*. 21: 17–36.
- CONFERENCES [CP6] **Yu, J.**, Bai, C., & Roque, R. (2020) Considering Parents in Coding Kit Design: Understanding Parents' Perspectives and Roles. *Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems (CHI '20)*, Honolulu, HI, USA.
- [CP5] **Yu, J.**, Zheng, C., Tamashiro, M., Gonzalez-millan, C., & Roque, R. (2020) CodeAttach: Engaging Young Children in Computational Thinking Through Physical Play Activities. *Proceedings of the Fourteenth International Conference on Tangible, Embedded, and Embodied Interaction (TEI '20)*, Sydney, NSW, Australia.
- [CP4] **Yu, J.**, & Roque, R. (2018) A Survey of Computational Kits for Young Children. *Proceedings of the 17th International Conference on Interaction Design and Children (IDC '18)*. Trondheim, Norway. (**Awarded Child-Computer Interaction Student Best Paper**)
- [CP3] **Yu, J.**, Ma, X., & Han, T. (2017) Usability Investigation on the Localization of Text CAPTCHAs: Take Chinese Characters as a Case Study. *Transdisciplinary Engineering: A Paradigm Shift: Proceedings of the 24th ISPE Inc.* Singapore.

- [CP2] Yu J., Ma X., Han T. (2016) Usability Comparison of Text CAPTCHAs Based on English and Chinese. *In: Rau PL. (eds) Cross-Cultural Design. CCD 2016. Lecture Notes in Computer Science*, vol 9741. Springer, Cham.
- [CP1] Yang Y., Yu J., Cai W., Han T. (2015) Comparison Research Between ICT-Based Design and Traditional Design for Hearing Impaired Children. *In: Antona M., Stephanidis C. (eds) Universal Access in Human-Computer Interaction. Access to Learning, Health and Well-Being. UAHCI 2015. Lecture Notes in Computer Science*, vol 9177. Springer, Cham.

## PATENTS

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- [P3] Yu, J., Ma, X., & Han, T. "A faucet with bacteria scanning function", Chinese Patent, 2016: CN105715842A
- [P2] Yang, Y., & Yu, J. "A Lampshade", Chinese Patent, 2013: CN202691896U
- [P1] Chen, S., & Yu, J. "Bathroom cabinet," Chinese Patent, 2013: CN202681753U

## GRANTS

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- 2020 CU Boulder Outreach Micro Grants (\$1,870) for the work on the exploration of leveraging physical play to support children's computational learning in community-based organizations
- 2020 CMCI Graduate Student Travel Grant (\$1,000), University of Colorado Boulder
- 2018 CMCI Graduate Student Travel Grant (\$750), University of Colorado Boulder

## HONORS & AWARDS

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- 2018 Child-Computer Interaction Student Best Paper Award
- 2017 Outstanding Graduate, Shanghai Jiao Tong University
- 2015, 2016 National Scholarship for Graduate Students, the Ministry of Education of China
- 2015, 2016 First-Class Scholarship of Academic Excellence, Shanghai Jiao Tong University
- 2014 Bronze Award of the 11th Interior Design Competition of China, Chinese Interior Decoration Association
- 2013 The YANG Yongman Scholarship, Zhejiang University
- 2012 Winner of the Innovative Electric Heater Design Competition, Chinese Industrial Design Association (Top 10 out of ~1500 pieces of work)

## TEACHING





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### Teaching Assistant

- Spring 2020 INFO 1121 Designing Interactions, University of Colorado Boulder
- Fall 2017, Spring/Fall 2018 INFO 1201 Computational Reasoning I (Python), University of Colorado Boulder
- Spring 2019
- Spring 2015 AR903 The Art of Design Innovation, Shanghai Jiao Tong University
- Fall 2014 ID310 Product Design II, Shanghai Jiao Tong University

## RESEARCH MENTORSHIP

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2020	Julisa Granados  (B.S. Psychology and Neuroscience)
2019 – 2020	Andrea Devore  (B.S. Technology, Arts, and Media)
2019 – 2020	Christopher Gonzalez-millan  (B.S. Computer Science)
2019	Chenke Bai  (B.S. Information Science)
2018	Elizabeth Robinson (B.S. Computer Science)

: Co-authors on publications

## SERVICES

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### Reviewer

SIGCHI Conferences (CHI, TEI, IDC, DIS, etc.); Behaviour & Information Technology;  
International Journal of Human-Computer Interaction

### Volunteer

Spring 2020	Youth Maker Hangout event in the Boulder Public Library
Summer 2015, 2016	The Fourth and Fifth Summer Camp of Innovative Design Elites, Shanghai Jiao Tong University
Summer 2014	Asia Leadership Programme, Zhejiang University & Singapore University of Technology and Design