

## YANRAN YANG

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### Education

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<b>08/2017-Present</b>	<b>CARNEGIE MELLON UNIVERSITY</b> PhD student in Department of Engineering and Public Policy Advisors: Prof. Gabrielle Wong-Parodi & Prof. Baruch Fischhoff	Pittsburgh, U.S.
<b>09/2015-07/2017</b>	<b>TSINGHUA UNIVERSITY</b> M.S. in Nuclear Science and Technology Advisor: Chao Fang Thesis: Research on the Characteristics, Transmission Intention and Refutation of Nuclear Rumors	Beijing, China
<b>09/2011-07/2015</b>	<b>TSINGHUA UNIVERSITY</b> B.A. in English Literature, B.A in Journalism	Beijing, China
<b>08/2013-01/2014</b>	<b>UNIVERSITY OF AMSTERDAM</b> Exchange student in School of Humanities	Amsterdam, Netherlands

### Courses completed

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<b>Engineering</b>	Operations Research, Applied Machine Learning, Nuclear Safety and Radiation Safety, Nuclear Reactor Engineering and Safety, Advanced Power Reactors, Nuclear Fuel Circulation Strategy
<b>Social Sciences</b>	Theory & Practice of Policy Analysis, Quantitative Methods for Policy Analysis, Applied Data Analysis, PhD Microeconomics, Psychological models of decision making, Energy and Environment economics, Theory of Communication, Media Law

### Research Experience

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<b>09/2019-Present</b>	<b>Principal Investigator, Public Understanding of Flu Forecasts</b> <ul style="list-style-type: none"><li>Developed and distributed surveys on public understanding of flu forecasts terms and results</li></ul>	Pittsburgh, U.S.
<b>08/2017-07/2019</b>	<b>Principal Investigator, Public Preferences among Future Energy Options</b> <ul style="list-style-type: none"><li>Developed technology materials communicating three energy options (Coal-fired power plant with Carbon Capture and Sequestration (CCS), Natural gas-fired power plant with CCS, and Small Modular Reactors (SMR)) to general public</li><li>Developed, distributed and analyzed surveys on informed public preferences among these three energy options using the technology materials</li></ul>	Pittsburgh, U.S.
<b>03/2016-05/2017</b>	<b>Research Assistant, School of Public Policy &amp; Management, Tsinghua University</b> <i>China's Innovation in Nuclear Technology</i> (Principal Investigator: Prof. Yixin Dai) <ul style="list-style-type: none"><li>Conducted interviews with National Nuclear Safety Administration officials on innovative strategies for updating nuclear safety regulations and introducing innovations in nuclear technologies of different generations</li></ul> <i>Feasibility Studies of Inland Nuclear Power Plants</i> (Co-investigator: Prof. Yixin Dai) <ul style="list-style-type: none"><li>Visited three planned sites for inland nuclear power plants and interviewed communication staffs on their risk communication and public participation work</li></ul> <i>Policy Instrument Designed to Gain Transition Legitimacy: A Case of Chinese Nuclear Development</i> (Principal Investigator: Prof. Yixin Dai) <ul style="list-style-type: none"><li>Help conducted survey on public perception of nuclear and policy instrument used in nuclear development in Qinshan and distributed surveys in surrounding areas of Qinshan Nuclear Power Plant</li></ul>	Beijing, China
<b>07/2016-08/2016</b>	<b>Field Research, Risk Perception of Chinese and Japanese University Students</b> <ul style="list-style-type: none"><li>Summer intern member in the Department of Trans-Disciplinary Science and Engineering, Murayama Lab</li><li>Conducted broad based comparative survey of 220 students at Tsinghua University and Tokyo Institute of Technology on their risk perceptions regarding nuclear power after the Fukushima accident</li></ul>	Tokyo, Japan

- 11/2015**      **Project Reviewer, China National Nuclear Power Co., Ltd.**      Beijing, China
- Assisted in reviewing and revising the Public Communication Model and Standard for CNNP (China National Nuclear Power Co, Ltd.)
- 10/2013-07/2015**      **Research Assistant, Crisis Management and Communications after Nuclear Accidents**      Beijing, China
- Completed three case analyses under Professor FANG Chao's supervision (**INET, Tsinghua University**) on public communication and crisis management after three well-known nuclear accidents
  - Conducted interviews with Qinshan Nuclear Power Plant's News Center staff on their risk communication and crisis management preparation.

### Teaching Experience

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- 09/2014-06/2016**      **Teaching Assistant, Center for Liberal Education (Tsinghua University)**      Beijing, China
- Organized tutorials and led weekly discussions for four courses (one course per semester): Talent of Innovation and the Culture of the University, National Culture and National Destiny, The Soul of the University-The Origins and The Evolution, and Roads to Academic (with students' feedback of "excellent").
  - Received training in group counseling and conducted group counseling sessions in class

### Publications and Presentations

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- Yang, Y.**, Wong-Parodi, G., & Fischhoff, B. (2019). How stable are preferences among emerging electricity generation technologies. *Environmental Research Communications*, 1(7), 071002.
- Fang C, **Yang YR**, "Newspaper Coverage of Nuclear Power in China, from a Public Acceptance Perspective," The 24th International Conference on Nuclear Engineering (ICONE-24), June 26-30, 2016. Charlotte, North Carolina, USA.
- Yang YR**, Jin LN, Li JB and Fang C\*, "Crisis Communication after Nuclear Accidents Using Psychological Approaches," *Journal of Risk Analysis and Crisis Response*, Vol. 5(3), 2015. (ISSN: 2210-8505)
- Yang YR**, Jin LN, Li JB and Fang C\*, Risk and Crisis Communication after Nuclear Accidents: A Study Applying Psychological Methods, The 5th International Conference on Risk Analysis and Crisis Response (RACR-2015), June 1-3, 2015. Tangier, Morocco. (EI index, ISSN: 9781138027459)
- Li JB, Liu Y, **Yang YR** and Fang C\*, "The Study of Public Acceptance to Nuclear Power in China Using a Quantitative Model, The 5th International Conference on Risk Analysis and Crisis Response" (RACR-2015), June 1-3, 2015. Tangier, Morocco. (EI index, ISSN: 9781138027459)

### Scholarship

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- 05/2017**      CSC-CMU Joint Scholarship (Chinese Scholarship Council)
- 10/2016**      National Scholarship (top 5%)
- 07-08/2016**      JASSO Scholarship (Japan Student Services Organization)
- 08/2013-01/2014**      Erasmus Mundus Europe Asia Program full scholarship (EU -funded)

### Leadership Activities

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- 04/2012-07/2015**      Team Member and Mentor of Tsinghua's Chinese Debating Team      Beijing, China
- 04/2012-05/2014**      Vice Chairman, School of Humanities Student Union      Beijing, China

### Languages and Special Skills

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Languages: Mandarin Chinese (Native), English (Fluent), Japanese (Beginner)  
 Computer Skills: R, MATLAB, SPSS, Analytica, Microsoft Office