# Gaojian Huang, Ph.D.

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## EDUCATION

**Ph.D.**, Industrial Engineering — 2021
**Purdue University**, West Lafayette, IN

**M.S.**, Psychology — 2020
**Purdue University**, West Lafayette, IN

**M.S.**, Safety Management — 2016
**Indiana University**, Bloomington, IN

## PROFESSIONAL APPOINTMENTS

**Assistant Professor**, Department of Industrial & Systems Engineering — 2021 – Present
San José State University, San Jose, CA

**Research Associate**, Mineta Transportation Institute
San José State University, San Jose, CA

**Faculty Affiliate**, Center on Healthy Aging in Multicultural Population
San José State University, San Jose, CA

## RESEARCH INTERESTS

Human factors, human-automation interaction, human behavior modeling, automated driving, successful aging, multimodal displays, human-machine interface, universal design

## RESEARCH GRANTS/FUNDING

- **National Science Foundation**. *CRII: HCC: Human-automation Interaction: Assistive and Adaptive Multimodal Interface to Support Older Adults in Complex Automated Systems* (Sole PI; $174,800). 2022 – 2024.
- **SJSU Research, Scholarship, and Creativity Activity (RSCA) Level-Up Grant**. *Modeling Mind Wandering and Task Performance in Semi-Autonomous Driving* (PI; $20,000). 2022 – 2023.
- **SJSU College of Engineering Small Group Project**. *A Teleoperated Robotic Training System for Percutaneous Needle Insertion Proficiency* (Co-PI; $50,000). 2022
- **Honda Research Institute USA**. *Adaptive Driving Style for Automated Driving* (Sole PI; $63,600). 2021 – 2022.
- **Mineta Transportation Institute Emerging Leaders Seed Grant – U.S. Department of Transportation**. *Exploring the Effects of Individual Differences on Tactile Display Perception in Automated Vehicles* (Sole PI; $6,549). 2021 – 2022.
- **Mineta Transportation Institute Emerging Leaders Seed Grant – U.S. Department of Transportation**. *Investigating the Usability and Effectiveness of Public Transportation Technology in Older Adults during a Public Health Crisis* (PI; $6,547). 2021 – 2022.
- **Link Foundation Fellowship in Modeling, Simulation, & Training**. *Using Advanced Driving Simulation and Vibrotactile Cues to Train Older Drivers to Interact with Next-Generation Autonomous Vehicles* (Link

Foundation Fellow; $30,000). 2020 – 2021.

- **HFES Augmented Cognition Technical Group Student Grant Award**. *Physiological Responses Predict Mind Wandering during Semi-Autonomous Driving: Implications for Takeover Performance* (Sole PI; $500). 2020.
- **HFES Aging Technical Group Student Research Scholarship**. *The Influence of Non-chronological Age Factors on Mental States and Takeover Performance in Next-Generation Autonomous Driving* (Sole PI; $500). 2019 – 2020

## PUBLICATIONS

### Peer-Reviewed Journal Articles

1. **Huang, G.**, & Pitts, B. J. (2022). To Inform or to Instruct? An Evaluation of Meaningful Vibrotactile Patterns to Support Automated Vehicle Takeover Performance. *IEEE Transactions on Human-Machine Systems.* (In press)
2. Martinez, K., & **Huang, G.** (2022). In-Vehicle Human Machine Interface: Investigating the Effects of Tactile Displays on Information Presentation in Automated Vehicles. *IEEE Access*. (In press)
3. **Huang, G.**, & Pitts, B. J. (2022). Takeover requests for automated driving: The effects of signal direction, lead time, and modality on takeover performance. *Accident Analysis and Prevention*. https://doi.org/10.1016/j.aap.2021.106534
4. **Huang, G.**, & Pitts, B. J. (2022). The Effects of Age and Physical Exercise on Multimodal Signal Responses: Implications for Semi-autonomous Vehicle Takeover Requests. *Applied Ergonomics, 98*. https://doi.org/10.1016/J.APERGO.2021.103595
5. Werner, L., **Huang, G.**, & Pitts, B. J. (2022). Smart Speech Systems: A Focus Group Study on Older Adult User and Non-User Perceptions of Speech Interfaces. *International Journal of Human-Computer Interaction*. https://doi.org/10.1080/10447318.2022.2050541
6. **Huang, G.**, Luster, M., Karagol, I., Park, J. W., & Pitts, B. J. (2020). Self-Perception of Driving Abilities in Older Age: A Systematic Review. *Transportation Research Part F: Traffic Psychology and Behaviour*, 74, 307–321. https://doi.org/10.1016/j.trf.2020.08.020
7. Smith, T. D., DeJoy, D. M., Dyal, M. A., & **Huang, G.** (2019). Impact of work pressure, work stress and work–family conflict on firefighter burnout. *Archives of Environmental & Occupational Health*, 74(4), 215-222. https://doi.org/10.1080/19338244.2017.1395789
8. **Huang, G.**, Hung, Y. H., Proctor, R. W., & Pitts, B. J. (2022). Age is more than just a number: The relationship among age, non-chronological age factors, self-perceived driving abilities, and autonomous vehicle acceptance. *Accident Analysis and Prevention*. (Minor revision)

### Peer-Reviewed Conference Proceedings

1. Martinez, K., & **Huang, G.** (2022). Designing and Evaluating Meaningful Tactile Displays to Assist Takeover in Automated Vehicles. In *14th International Conference on Automotive User Interfaces and Interactive Vehicular Applications (AutomotiveUI '22 Adjunct)*, September 17–20, 2022, Seoul, Republic of Korea. ACM, New York, NY, USA, 5 pages. (In press)
2. Sajedinia, Z., Akash, K., Zheng, Z., Misu, T., Dong, M., Krishnamoorthy, V., Martinez, K., Sureshbabu, K., & **Huang, G.** (2022). Investigating Users' Preferences in Adaptive Driving Styles for Level 2 Driving Automation. In *14th International Conference on Automotive User Interfaces and Interactive Vehicular Applications (AutomotiveUI '22)*, September 17–20, 2022, Seoul, Republic of Korea. ACM, New York, NY, USA, 9 pages. (In press)

3. Zheng, Z., Akash, K., Misu, T., Krishnamoorthy, V., Dong, M., Lee, Y., & **Huang, G.** (2022). Identification of Adaptive Driving Style Preference through Implicit Inputs in SAE L2 Vehicles. In the *24th ACM International Conference on Multimodal Interaction*. New York, NY, USA, 13 pages. (In press)
4. Lee, Y., Dong, M., Krishnamoorthy, V., Akash, K., Zheng, Z., Misu, T., & **Huang, G.** (2022). The Impacts of Adaptive Driving Styles on Trust in Level 2 Automated Vehicles. 2022 *Human Factors and Ergonomics Society Annual Meeting.* (In press)
5. Martinez, K., & **Huang, G.** (2022). The Effects of Tactile Display on Automated Vehicle Takeover: A Literature Review. 2022 *Human Factors and Ergonomics Society Annual Meeting.* (In press)
6. Dong, M., Lee, Y., Cha, J., & **Huang, G.** (2022). Effects of Alcohol Consumption on Driving: A Systematic Review. 2022 *Human Factors and Ergonomics Society Annual Meeting.* (In press)
7. Summerville, S., Etu, E., Sureshbabu, K., Parmar, A., & **Huang, G.** (2022). Exploring the Use of Public Transportation Among Older Adults During COVID-19 Pandemic: A Pilot Study. 2022 *Human Factors and Ergonomics Society Annual Meeting.* (In press)
8. **Huang, G.**, & Pitts, B. J. (2021). Driver-Vehicle Interaction: The Effects of Physical Exercise and Takeover Request Modality on Automated Vehicle Takeover Performance between Younger and Older Drivers. In *2021 IEEE 2nd International Conference on Human-Machine Systems (ICHMS)* (pp. 1-4). IEEE. https://doi.org/10.1109/ICHMS53169.2021.9582642
9. **Huang, G.**, & Pitts, B. J. (2021). Automated Vehicle Takeover: A Pilot Study on the Effects of Age, Physical exercise, and Takeover Request Modality on Post-takeover Performance. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting*. https://doi.org/10.1177/1071181321651012
10. **Huang, G.**, Hung, Y. H., Proctor, R. W., & Pitts, B. J. (2021). Non-Chronological Age Factors and Self-perceived Driving Abilities: A Survey Study of Autonomous Vehicle Acceptance. *Technology, Mind, and Behavior*. https://tmb.apaopen.org/pub/1rd4gowj
11. **Huang, G.**, & Pitts, B. (2020). Age-Related Differences in Takeover Request Modality Preferences and Attention Allocation During Semi-autonomous Driving. In *International Conference on Human-Computer Interaction* (pp. 135-146). Springer, Cham. https://doi.org/10.1007/978-3-030-50252-2_11
12. **Huang, G.**, & Pitts, B. J. (2020). The Effects of Engagement in Physical Exercise on Semi-autonomous Takeover Request Perception between Younger and Older Adults. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* (Vol. 64, No. 1, pp. 27-27). Sage CA: Los Angeles, CA: SAGE Publications. https://doi.org/10.1177/1071181320641007
13. **Huang, G.**, Petersen, C., & Pitts, B. J. (2020). The Impact of Mental States on Semi-autonomous Driving Takeover Performance: A Systematic Review. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* (Vol. 64, No. 1, pp. 1372-1376). Sage CA: Los Angeles, CA: SAGE Publications. https://doi.org/10.1177/1071181320641328
14. **Huang, G.**, Steel, C., Zhang, X., & Pitts, B. (2019). Multimodal Cue Combinations: A Possible Approach to Designing In-Vehicle Takeover Requests for Semi-Autonomous Driving. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* (Vol. 63, No. 1, pp. 1739-1743). Sage CA: Los Angeles, CA: SAGE Publications. https://doi.org/10.1177/1071181319631053
15. **Huang, G.**, Liang, N., Wu, C., & Pitts, B. (2019). The Impact of Mind Wandering on Signal Detection, Semi-autonomous Driving Performance, and Physiological Responses. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* (Vol. 63, No. 1, pp. 2051-2055). Sage CA: Los Angeles, CA: SAGE Publications. https://doi.org/10.1177/1071181319631015
16. Werner, L., **Huang, G.**, & Pitts, B. J. (2019). Automated Speech Recognition Systems and Older Adults:

A Literature Survey and Synthesis. In *Proceedings of the Human Factors and Ergonomics Society Annual Meeting* (Vol. 63, No. 1, pp. 42-46). Sage CA: Los Angeles, CA: SAGE Publications. https://doi.org/10.1177/1071181319631121

17. **Huang, G.**, & Pitts, B. (2019). Automated Speech Recognition Technology to Support in Flight Weather-related Communication for GA Pilots. In *20th International Symposium on Aviation Psychology*. (pp. 468-473). https://corescholar.libraries.wright.edu/isap_2019/79

**Technical Reports & Thesis**

1. Martinez, K., & **Huang, G.** (2022). *Exploring the Effects of Meaningful Tactile Display on Perception and Preference in Automated Vehicles*. Mineta Transportation Institute. (In press).
2. Sureshbabu, K., Etu, E., Summerville, S., Parmar, A., & **Huang, G.** (2022). *Exploring the Use of Public Transportation Among Older Adults During the COVID-19 Pandemic: A National Survey*. Mineta Transportation Institute. (In press).
3. **Huang, G.** (2021). *Aging and Automation: Non-chronological Age Factors and Takeover Request Modality Predict Transition to Manual Control Performance during Automated Driving* (Doctoral dissertation). https://doi.org/10.25394/PGS.14879706.v1
4. **Huang, G.** (2021). *Using Advanced Driving Simulation and Vibrotactile Cues to Train Drivers to Interact with Next-Generation Autonomous Vehicles*. https://repository.lib.fit.edu/handle/11141/3439

**Patent**

1. Xi, Z., Zhang, J., Yang, J., **Huang, G.** (2012). Tapered jet foam sol generating device for controlling coal dust at transferring point of conveyor belt

## PRESENTATIONS

**Invited Lectures & Keynote Addresses**

1. **Huang, G.** (2022). Human-Automation and Human-Robot Interactions. Invited lecture in CS 789: Internet of Things. The University of Nevada. Las Vegas, NV. April.
2. **Huang, G.** (2019). Smart Home Technologies for Older Adults. Invited lecture in IE 590: Human Factors of Gerontechnology. Purdue University. West Lafayette, IN. October.

**Academic Presentations and Posters**

1. **Huang, G. (presenter)** (2022). Aging and Automated Vehicles: A Multimodal Solution in Human-Machine Interaction. Oral presentation given at the *2022 Collaborative Symposium held by SJSU Center for Healthy Aging in Multicultural Populations (CHAMP) and Stanford Aging and Ethnogeriatrics (SAGE) Research Center*. (Virtual). April.
2. **Huang, G. (presenter)**, Hung, Y. H., Proctor, R. W., & Pitts, B. J. (2021). Non-Chronological Age Factors and Self-perceived Driving Abilities: A Survey Study of Autonomous Vehicle Acceptance. Oral presentation given at the *2021 Technology, Mind and Society Conference*. (Virtual). November.
3. **Huang, G. (presenter)**, & Pitts, B. (2021). Automated Vehicle Takeover: A Pilot Study on the Effects of Age, Physical exercise, and Takeover Request Modality on Post-takeover Performance. Oral presentation given at the *65th International Annual Meeting of the Human Factors and Ergonomics Society.* Baltimore, MD. October.
4. **Huang, G. (presenter)** (2021). Driver-Vehicle Interaction: The Effects of Physical Exercise and Takeover Request Modality on Automated Vehicle Takeover Performance between Younger and Older Drivers. Oral presentation given at the 2nd *IEEE International Conference on Human-Machine Systems.* Magdeburg, Germany (Virtual). September.

5. **Huang, G. (presenter)** (2021). Age is Not Defined by a Number: Effects of Physical Exercise and Takeover Request Modality on Semi-autonomous Vehicle Takeover Performance. Oral presentation given at the 2nd *Annual Human Factors and Ergonomics Society Student Chapter Conference.* Virtual. April.
6. **Huang, G. (presenter)**, & Pitts, B. (2020). The Effects of Engagement in Physical Exercise on Semi-autonomous Takeover Request Perception between Younger and Older Adults. Oral presentation given at the *64th International Annual Meeting of the Human Factors and Ergonomics Society.* Chicago, IL (Virtual). October.
7. **Huang, G.**, Petersen (presenter), C., & Pitts, B. (2020). The Impact of Mental States on Semi-autonomous Driving Takeover Performance: A Systematic Review. Poster presented at the *64th International Annual Meeting of the Human Factors and Ergonomics Society.* Chicago, IL (Virtual). October.
8. **Huang, G. (presenter)**, & Pitts, B. J. (2020). Age-Related Differences in Takeover Request Modality Preferences and Attention Allocation During Semi-autonomous Driving. Oral presentation given at the *22nd International Conference on Human-Computer Interaction*. Copenhagen, Denmark (Virtual). July.
9. **Huang, G. (co-presenter)**, Liang, N., & Pitts, B. J. (2020). Physiological Monitoring During Autonomous Driving. Oral presentation given at the *106th Purdue Road School Transportation Conference and Expo.* West Lafayette, IN. March.
10. Park, J. (presenter), **Huang, G.**, & Pitts, B. J. (2019). Self-Perception of Manual Driving Abilities in Older Age: A Systematic Review. Poster presented at *the Annual Fall Undergraduate Research Expo*. West Lafayette, IN. November.
11. **Huang, G. (presenter)**, Steel, C., Zhang, X., & Pitts, B. J. (2019). Multimodal Cue Combinations: A Possible Approach to Designing In-Vehicle Takeover Requests for Semi-Autonomous Driving. Oral presentation given at the *63rd International Annual Meeting of the Human Factors and Ergonomics Society*. Seattle, WA. October.
12. **Huang, G. (presenter)**, Liang, N., Wu, C., & Pitts, B. J. (2019). The Impact of Mind Wandering on Signal Detection, Semi-autonomous Driving Performance, and Physiological Responses. Oral presentation given at the *63rd International Annual Meeting of the Human Factors and Ergonomics Society*. Seattle, WA. October.
13. Gonzales, A. (presenter), **Huang, G.**, Pitts, B. J. (2019). Augmented Reality in Semi-Autonomous Driving: The Effect of Warning Signal Format and Perceived Urgency on Takeover Performance. Poster presented at *Purdue Summer Undergraduate Research Fellowship Research Symposium*. West Lafayette, IN. August.
14. Richards, M. (presenter), **Huang, G.**, Karagol, I., Pitts, B. J. (2019). Perception versus Reality: How do Older Drivers Self-perceive their Own Driving Abilities?. Poster presented at *Purdue Summer Research Opportunity Program's (SROP) Research Poster Symposium and Reception*. West Lafayette, IN. July.
15. **Huang, G. (presenter)**, & Pitts, B. J. (2019). Predicting Mind Wandering during Semi-autonomous Driving and Exploring Potential Mitigation Strategies. Oral presentation given at the *1st Annual Conference on Next-Generation Transport Systems (NGTS-2019).* West Lafayette, IN. May. **Won Outstanding Presenter Award.**
16. **Huang, G. (presenter)**, & Pitts, B. (2019). Automated Speech Recognition Technology to Support in Flight Weather-related Communication for GA Pilots. Oral presentation given at the *20th International Symposium on Aviation Psychology*. Dayton, OH. May.
17. **Huang, G. (co-presenter)**, Liang, N., & Pitts, B. J. (2019). Assisted-Driving & Autonomous Vehicle Systems: Human Factors Considerations in Next-Generation Transportation. Poster presented at the *105th Purdue Road School Transportation Conference and Expo.* West Lafayette, IN. March.

18. **Huang, G. (presenter)**, & Pitts, B. J. (2018). Assessing the Capability of Automated Speech Recognition Weather Information Interfaces in GA Flight. Poster presented at the *2018 The Partnership to Enhance General Aviation Safety, Accessibility and Sustainability (PEGASAS) Annual Meeting.* West Lafayette, IN. May.
19. Smith, T.D. & **Huang, G. (co-presenter)** (2017). Bolstering occupational safety and health outcomes through effective multi-level leadership. Oral Presentation given at the *2017 National Safety Council Congress & Expo*. Indianapolis, IN. September.

## AWARDS AND HONORS

- SJSU 2022/23 Student RSCA Fellowship (SRF) Faculty Mentor Award 2022
- STAR Fellow Faculty Mentor Award 2022
- College of Engineering Faculty Professional Development Grant Award, SJSU 2022
- HFES Student Member with Honors Award 2020
- Dr. Theodore J. and Isabel M. Williams Fellowship in Industrial Engineering 2020
- Purdue Graduate School Incentive Grant Award 2020
- HFES Honor Student of Purdue Award 2020
- Purdue Graduate Student Government Professional Grant 2019
- Graduate Student Mentor of the Summer, Purdue University 2019
- Outstanding Speaker Award, 1st Annual Conference on Next-Generation Transport Systems 2019
- Travel Grant, School of Industrial Engineering, Purdue University 2019
- Outstanding Undergraduate Graduation Thesis (Design), Tianjin 2014
- Honor Student Award, Tianjin, China 2014
- People Scholarship, Tianjin, China 2010-2013
- Freshman Scholarship, Tianjin, China 2011

## TEACHING EXPERIENCE

**San José State University**

- ISE – 211 Experimental Design for Human Factors Engineering (graduate level)
- ISE – 210 Human Factors/Ergonomics (graduate level)
- ISE – 200 Financial Methods for Engineers (graduate level)
- ISE – 102 Engineering Economic Systems (undergraduate level)

**Indiana University Bloomington**

- SPH – H180 Stress Prevention & Management (undergraduate level)
- SPH – S151 Legal Aspect of Safety (undergraduate level)
- SPH – F255 Human Sexuality (undergraduate level; graduate teaching assistant)
- SPH – F341 Effects of Divorce on Children (undergraduate level; graduate teaching assistant)

## MENTORING

**Graduate Students**

- Vidya Krishnamoorthy, Industrial & Systems Engineering (graduated in Spring 2022)
- Kimberly Martinez, Industrial & Systems Engineering (expected Spring 2023)
- Mia Dong, Industrial & Systems Engineering (expected Spring 2023)
- Keertana Sureshbabu, Industrial & Systems Engineering (expected Spring 2023)
- Minal Shah, Industrial & Systems Engineering (expected Spring 2024)

**Undergraduate Students**

- Brenna Nettles-Miller, Industrial & Systems Engineering (expected Spring 2023)

**Awards with mentored students**

- Kimberly Martinez, Miaomiao Dong, Minal Shah. 2022 STAR Fellowship Awards. 2022
- Kimberly Martinez. 2022-23 Research and Innovation Student RSCA Fellowship. 2022
- Kimberly Martinez. 2022 Donald Beall-Rockwell Award for Engineering Accomplishment. 2022

## SERVICE/ LEADERSHIP DEVELOPMENT

**Professional Service**

- **Journal Reviewer** 2020 – Present
  - *Applied Ergonomics*
  - *IEEE Transactions on Human-Machine Systems*
  - *International Journal of Human-Computer Interaction*
  - *International Journal of Human-Computer Studies*
  - *International Journal of Industrial Ergonomics*
  - *Gerontechnology*
  - *Micromachines*
- **Conference Proceedings Reviewer** 2019 – Present
  - Human Factors and Ergonomics Annual Meeting (HFES) (2019, 2020, 2021, 2022)
  - International ACM Conference on Automotive User Interfaces (AutoUI) (2022)
  - IFAC Workshop on Cyber-Physical and Human Systems (CPHS) (2022)
  - Asia Human-Computer Interaction Symposium (AHMIS) (2022)
- **Award Committee/Reviewer** 2021 – Present
  - HFES Surface Transportation Technical Group Best Student Paper Award (2022)
  - HFES Aging Technical Group Student Research Scholarship (2021)
  - HFES Augmented Cognition Technical Group Student Grant Award (2021)
- **Secretary/Treasurer**, HFES Aging Technical Group 2021 – Present
- **Session Chair,** HFES Annual Meeting 2021
  - *Aging Technical Group (ATG)*
- **Committee Chair**, 1st Annual HFES Student Chapter Conference 2020
- **Volunteer**, HFES Fellows Task Force 2020
- **Co-chair**, HFES Annual Meeting 2019
  - *Perception and Performance Technical Group (PPTG)*
  - *Human Performance Modeling Technical Group (HPMTG)*
- **Student Volunteer**, the HFES Annual Meeting 2019

**University-related Service**

- **Faculty Advisor**, HFES San José State University Student Chapter 2021 – Present
- **Research Committee**, Charles W. Davidson College of Engineering, SJSU 2021 – Present
- **Judge Panel Member**, Spartan Step Up Conference, SJSU 2021
- **Lab Manager**, *N*HanCE Research Lab, Purdue University 2017 – 2021
- **Session Chair**, Purdue Summer Undergraduate Research Fellowship Research e- 2020

Symposium

- **Co-President**, Human Factors & Ergonomics Society Purdue Student Chapter 2019 – 2020
- **Judge,** Purdue Summer Undergraduate Research Fellowship Research Symposium 2019

**Community Service**

- **Tech Team Volunteer**, Center on Aging and the Life Course (CALC), Purdue University 2019 – 2020
  - *Solving electronic equipment problems at senior living facilities*
- **Volunteer**, Purdue Space Day 2019
  - *STEM education outreach program for K-12 students*

## CERTIFICATE/TRAINING

- Certificate of Foundations in College Teaching, Purdue University, West Lafayette, IN 2019

## PROFESSIONAL MEMBERSHIPS

- Human Factors and Ergonomics Society (HFES) 2017 – Present
  - Aging Technical Group
  - Augmented Cognition Technical Group
  - Cognitive Engineering and Decision Making Technical Group
  - Perception and Performance Technical Group
  - Surface Transportation Technical Group
- Institute of Electrical and Electronics Engineers (IEEE) 2020 – Present
- International Society of Gerontechnology 2020 – Present
- National Safety Council (NSC) Member 2019 – Present
- American Society of Safety Professionals (ASSP) Member 2014 – 2017

## WORK EXPERIENCE

**Next-generation Human-systems and Cognitive Engineering (NHanCE) Lab** **West Lafayette, IN**
*Graduate Research Assistant, Advisor: Dr. Brandon J. Pitts* Aug 2017 – June 2021

**Human Performance Lab (HPL)** **West Lafayette, IN**
*Graduate Student Research Fellow; Advisor: Dr. Robert Proctor* Aug 2018 – June 2021

**Department of Applied Health Science** **Bloomington, IN**
*Graduate Research Assistant; Advisor: Dr. Todd Smith* Aug 2015 – May 2016

**Shanghai Yuanke Enterprise Management Consulting Co. Ltd.** **Shanghai, China**
*Assistant Safety Consultant (Intern)* Feb 2014 – May 2014

**Bureau of Safety Supervision, Government of Tianjin Binhai District** **Tianjin, China**
*Summer Research Intern* Jun 2012 – Aug 2012

Updated Sep 2022