Elizabeth E. O'Neal
Curriculum Vitae

Department of Psychological and Brain Sciences
The University of Iowa
255W Psychological and Brain Sciences Building (PBSB)
Iowa City, IA 52242
205.739.9706
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EDUCATION

May 2018
Ph.D. in Psychology
Concentration: Developmental Science
Advisor: Dr. Jodie Plumert; Dissertation title: *Parent-child conversations about safety in children with and without ADHD*
University of Iowa, Iowa City

December 2016
MPH
Concentration: General
University of Iowa, Iowa City

December 2009
B.S. in Psychology
University of Alabama at Birmingham, Birmingham, AL

December 2003
B.A. in Communication
Mississippi State University, Starkville, MS

RESEARCH AND PROFESSIONAL EXPERIENCE

Assistant Professor (June 2023 – present)
Community and Behavioral Health, University of Iowa

NICHD K99 Postdoctoral Research Scholar (April 2021 – present)
Psychological and Brain Sciences, University of Iowa
Supervisors: Dr. Jodie Plumert, Ph.D., Dr. Jingzen Yang Ph.D., MPH, and Dr. Corinne Peek-Asa, Ph.D., MPH

Postdoctoral Research Scholar (June 2018 – April 2021)
Hank Virtual Environments Laboratory/National Advanced Driving Simulator, University of Iowa
Supervisors: Dr. Jodie Plumert, Ph.D. (primary), Dr. Joseph Kearney, Ph.D., Dr. Dan McGehee, Ph.D.

Graduate Research Assistant (August 2011 – May 2018)
Perception, Action, and Thinking Lab and Hank Virtual Environments Laboratory, University of Iowa
Supervisors: Dr. Jodie Plumert, Ph.D. (primary) and Dr. Joseph Kearney, Ph.D.

MPH Practicum (Fall 2016)
Development of All-Terrain Vehicle (ATV) Safety Anticipatory Guidance and Continuing Medical Education (CME) Materials for Pediatric Health Care Providers
Supervisor: Dr. Charles Jennisen, MD

Graduate Research Assistant **(**June 2012 – Aug 2012)
Injury Prevention Research Center, University of Iowa
Supervisor: Dr. Corinne Peek-Asa, Ph.D., MPH

Graduate Research Assistant (July 2012 – Aug 2012)
National Advanced Driving Simulator, University of Iowa
Supervisor: Dr. Sue Chrysler, Ph.D.

HONORS AND AWARDS

SAFER-SIM University Transportation Center Student of the Year Award, Fall 2017
Graduate Student Senate Travel Funds Award, Fall 2017
Graduate Student Senate Travel Funds Award, Fall 2016
Graduate College Summer Fellowship, Summer 2016
National Institute for Occupational Safety and Health, Pre-doctoral Fellow and Translational Scholar, Heartland Center for Occupational Health and Safety, Fall 2014 – Spring 2015

PEER-REVIEWED JOURNAL ARTICLES

Subramanian, L.D., Sherony, R., Plumert, J.M., Kearney, J.K. & **O'Neal, E.E.** (in press). How Do Bicyclists Respond to Vehicles with Adaptive Headlamp Systems? A Nighttime Study in an Immersive Virtual Environment

O'Neal, E. E., Wendt, L., Hamann, C., Reyes, M., Peek-Asa, C. (2023). Rates and predictors of teen crash culpability. *Journal of Safety Research.* https://doi.org/10.1016/j.jsr.2023.05.009

Peek-Asa, C., Zhang, L., Hamann, C., **O'Neal, E.E.,** Yang, J., (2023). Direct medical charges of all parties in teen-involved vehicle crashes by culpability. *Injury Prevention.* Advance online publication. http://dx.doi.org/10.1136/ip-2022-044841

DiNapoli Parr, M.N., **O'Neal, E.E.**, Zhou, S., Williams, B., Butler, K.M., Chen, A., Kearney, J.K., Plumert, J.M. (2023). Perceiving and acting on gap affordances when crossing virtual roads: Does mode of locomotion matter? *Developmental Psychology.* Advance online publication. https://dx.doi.org/10.1037/dev0001520

Subramanian, L.D., **O'Neal, E.E.**, Mallaro, S., Williams, B., Sherony, R., Plumert, J.M., Kearney, J.K. (2022). A comparison of daytime and nighttime pedestrian road-crossing behavior using an immersive virtual environment. *Traffic Injury Prevention,* 23(2), 97-101. https://doi.org/10.1080/15389588.2021.2023738

O'Neal, E. E., Rahimian, P., Jiang, Y., Zhou, S., Nikolas, M., Kearney, J. K., & Kearney, J. M. (2022). How do ADHD symptoms and oppositionality impact parent-child interactions when crossing virtual roads? *Journal of Pediatric Psychology*, 47(3), 337-349. https://doi.org/10.1093/jpepsy/jsab102

Subramanian, L.D., **O'Neal, E.E.**, Roman, A.K., Plumert, J.M., and Kearney, J.K. (2021). How do pedestrians respond to adaptive headlamp systems in vehicles? A road-crossing study in an immersive virtual environment. *Accident Analysis and Prevention.* https://doi.org/10.1016/j.aap.2021.106298

O'Neal, E. E., Zhou, S., Jiang, Y., Kearney, J. K., & Plumert, J. M. (2021). Let's cross the next one: Parent-child road crossing in a virtual environment. *Child Development,* 92(2), e173-e185. https://doi.org/10.1111/cdev.13457

Brown, T., Schwarz, C. Sherony, R., Plumert, J.M., Kearney, J.J., & **O'Neal, E.E.** (2020). Evaluating the safety benefits of adaptive headlamps for reducing vehicle crashes with pedestrians at night. *Traffic Injury Prevention.* 21(1), S183-S184, https://doi.org/10.1080/15389588.2020.1829928

Jiang, Y., **O'Neal, E. E.**, Zhou, S., Plumert, J. M., & Kearney, J. K. (2020). Crossing roads with a computer-generated agent: Persistent effects on perception-action tuning. *ACM Transactions in Applied Perception (TAP),* 18(1), 1-16. https://doi.org/10.1145/3431923

Hamann, C., Schwab-Reese, L. **O'Neal, E.E.**, Butcher, B., Yang, J., & Peek-Asa C. (2019). Family communication patterns and teen driving intervention effectiveness. *American Journal of Health Behavior*, 43(5), 963-974. https://doi.org/10.5993/AJHB.43.5.8

O'Neal, E. E. & Plumert, J. M. (2019). Do mother-child conversations about safety differ in middle- and low-income families? *Journal of Injury and Violence Research, 11*(2)*,* 171-178. https://doi.org/10.5249/jivr.v11i2.1093

O'Neal, E. E., Jiang, Y., Brown, K., Kearney, J. K., & Plumert, J. M. (2019). How does crossing roads with friends impact risk taking in young adolescents and adults? *Journal of Pediatric Psychology, 44(6), 726-735.* https://doi.org/10.1093/jpepsy/jsz020

Jiang, Y., **O'Neal, E. E.,** Rahimian, P., Yon, J.P., Plumert, J. M., & Kearney, J. K. (2019). Joint action in a virtual environment: Crossing roads with risky vs. safe human and agent partners. *IEEE Transactions on Visualization and Graphics, 25,* 2886-2895. https://doi.org/10.1109/TVCG.2018.2865945

Rahimian, P., **O'Neal, E. E.,** Zhou, S., Plumert, J. M., & Kearney, J. K. (2018). Harnessing vehicle-to-pedestrian (V2P) communication technology: Sending traffic alerts and warnings to texting pedestrians. *Human Factors, 60* (6), 833 – 843. https://doi.org/10.1177/0018720818781365

O'Neal, E. E. (2018). Personality and accidental injury. *Encyclopedia of Personality and Individual Differences.* V. Zeigler-Hill & T.K. Shackelford (Eds.). Springer Nature, Switzerland.

Jiang, Y., **O'Neal, E. E.,** Yon, J. P., Franzen, L. J., Rahimian, P., Plumert, J. M., & Kearney, J. K. (2018). Acting together: Joint pedestrian road crossing in an immersive virtual environment. *ACM Transactions on Applied Perception, 15*(2), 8. https://doi.org/10.1145/3147884

O'Neal, E. E., Jiang, Y., Franzen, L. J., Rahimian, P., Yon, J. P., Kearney, J. K., & Plumert, J. M. (2018). Changes in perception–action tuning over long time scales: How children and adults perceive and act on dynamic affordances when crossing roads. *Journal of Experimental Psychology: Human Perception and Performance,* 44(1), 18-26. https://doi.org/10.1037/xhp0000378

O'Neal, E. E., Plumert, J. M., McClure, L. A., & Schwebel, D. C. (2016). The role of body mass index in child pedestrian injury risk. *Accident Analysis and Prevention,* 90, 29 -35. https://doi.org/10.1016/j.aap.2016.02.001

O'Neal, E. E., Plumert, J.M., Peterson, C. (2016). Parent-child injury conversations following a trip to the emergency department. *Journal of Pediatric Psychology,* 41, 256 – 264. https://doi.org/10.1093/jpepsy/jsv070

Nikolas, M.A., Elmore, A.L., Franzen, L, **O'Neal, E. E.**, Kearney, J.K., & Plumert, J.M. (2015). Risky bicycling behavior among youth with and without attention-deficit hyperactivity disorder. *Journal of Child Psychology and Psychiatry,* 57, 141-148. https://doi.org/10.1111/jcpp.12491

Hilliard, C. A., **O'Neal, E. E.**, Plumert, J. M., & Wagner-Cook, S. (2015). Mothers modulate their gesture independently of their speech. *Cognition, 140,* 89-94. https://doi.org/10.1016/j.cognition.2015.04.003

O'Neal, E. E. & Plumert, J. M. (2014). Mother-child conversations about safety: Implications for socializing safety values in children. *Journal of Pediatric Psychology,* 39, 481- 491. https://doi.org/10.1093/jpepsy/jsu005

O'Neal, E. E. & Ramirez, M., Hamann, C., Peek-Asa, C. A., Young, T., & Stahlut, M. (2014). School bus crash rates on routine and non-routine routes. *Journal of School Health, 84(9),* 575-580. https://doi.org/10.1111/josh.12189

Ramirez, M. R. **& O'Neal, E. E.** (2013). Injury risk-taking behaviors in children. In Ani Mamourian (Ed.), Oxford Bibliographies in "Public Health". New York: Oxford University Press. https://10.1093/OBO/9780199756797-0134

Schwebel, D. C., Stavrinos, D., Byington, K. W., Davis, T., **O'Neal, E.,** & de Jong, D. (2012). Distraction and pedestrian safety: How talking on the phone, texting, and listening to music impact crossing the street. *Accident Analysis and Prevention, 45*, 266-271. https://doi.org/10.1016/j.aap.2011.07.011

Schwebel, D. C., Davis, A.L., & **O'Neal, E. E.** (2012). Child pedestrian injury: A review of risks and prevention strategies. *American Journal of Lifestyle Medicine, 6(4),* 292-302. https://doi.org/10.1177/0885066611404876

MANUSCRIPTS UNDER REVIEW / IN PREPARATION

O'Neal, E.E. & Plumert, J.M. (in prep). The role of parent and child gender in the socialization of safety values.

Kim, A., Plumert, J.M., Kochanska, G., & **O'Neal, E.E.** (in prep). Early and concurrent effortful control as a predictor of risky bicycling performance: Moderating influences of age and gender.

Jiang, Y., **O'Neal, E.E.,** Plumert, J.M., & Kearney, J.K. (in prep). Full-body interaction via avatar in distributed road-crossing virtual environments.

TECHNICAL REPORTS

Plumert, J.M., Reyes, M.L., **O'Neal E.E.,** Vecera, S., Allen, S., & McGehee., D.V. (March 2021). *Extended Evaluation of Training Programs to Accelerate Hazard Anticipation Skills in Novice Teen Drivers. (No. UI-2-Y2).* Iowa City, IA: Safety Research Using Simulation (SAFER-SIM) University Transportation Center.

Reyes, M.L. & **O'Neal, E.E.** (December 2020). *A Simulator-Based Evaluation of Two Hazard Anticipation Training Programs for Novice Drivers.* (Technical Report). Washington DC: AAA Foundation for Traffic Safety.

Kearney, J., Plumert, J., Schwarz, C., Baek, S., **O'Neal, E.,** Wang, W., McGehee, D. (September 2020). *Learning About Driver and Pedestrian Behaviors Through Connected Simulation Technology.* FHWA-HRT-20-059. McLean, VA: Federal Highway Administration.

Hawkins, N., Hallmark, S. Chrysler, S. **O'Neal, E.**, Hoover, R., & McGehee, D. (2012). *School Bus Safety Study – Kayden's law.* (InTrans Project 12-439). Ames: Institute for Transportation, Iowa State University.

CONFERENCE PROCEEDINGS

Subramanian, L. D., **O'Neal, E.,** Plumert, J. M., & Kearney, J. K. (2020). Using Simulation to Assess Right-Hook Conflicts Between Bicycles and Cars at Protected and Unprotected Intersections. *Proceedings of the 2020 EUROPE VR Driving Simulation Conference.* Virtual Conference.

Subramanian, L.D., **O'Neal, E.E.,** Sherony, R., Plumert, J.M., Kearney, J.K. (2019). Impact of vehicle adaptive headlamp systems on nighttime bicyclist safety. *Proceedings of the 2019 Road Safety & Simulation International Conference.* Iowa City, IA.

Mallaro, S., **O'Neal, E. E.,** Rahimian, P., Plumert, J. M., & Kearney, J. K. (2017). A comparison of head-mounted displays vs large-screen displays for an interactive pedestrian simulator. *Proceedings of the ACM Symposium on Virtual Reality Software and Technology,* Gothenburg, Sweden.

Jiang, Y., **O'Neal, E. E.,** Franzen, L., Yon, P. J., Plumert, J. M., & Kearney, J. K. (2017). The influence of stereoscopic image display on pedestrian road crossing in a large-screen virtual environment. *Proceedings of the ACM Symposium on Applied Perception,* Cottbus, Germany.

Jiang, Y., **O'Neal, E. E.,** Rahimian, P., Yon, J. P., Plumert, J. M., Kearney, J. K. (2016). Action coordination with agents: Crossing roads with a computer-generated character in a virtual environment. *Proceedings*

of the ACM Symposium on Applied Perception.

Rahimian, P., **O'Neal, E. E.**, Yon, J. P., Franzen, L. Jiang, Y., Plumert, J. M., Kearney, J. K. (2016). Using a virtual environment to study the impact of sending traffic alerts to texting pedestrians. *Proceedings of the 2016 IEEE-VR Conference*, 141-149.

O'Neal, E. E., Franzen, L., Yon, J. P., Kearney, J., Plumert, J. M. (2015). How do immature movement timing skills put child pedestrians at risk for collisions with motor vehicles? *Proceedings of the 2015 Road Safety & Simulation International Conference.* Orlando, FL.

Rahimian, P., **O'Neal, E. E.,** Yon, J. P., Franzen, L., Jiang, Y., Plumert, J. M., & Kearney, J. K. (2015). Using a virtual environment to study the impact of sending traffic alerts to texting pedestrians. *Proceedings of the 2015 Road Safety & Simulation International Conference.* Orlando, FL.

RESEARCH SUPPORT

Extramural Grants:

Agency: Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
Proposal: Improving Novice Driver Roadway Hazard Identification Through a Parent-Focused Intervention (K99/R00)
Role: Principal Investigator
Amount: $949,469.00
Status: Awarded (April 2021 – March 2026)

Agency: AAA Foundation Traffic Safety
Proposal: Evaluation of Training Programs to Accelerate Hazard Anticipation Skills in Novice Teen Drivers
Role: Co-Investigator
Amount: $331,461.00
Status: Complete.

Agency: American Psychological Foundation's Lizette Peterson-Homer Memorial Injury Research Grant
Proposal: Mother-Child Communication about Safety in Low-Income Families
Role: Principal Investigator
Amount: $5,000.00
Status: Complete.

Intramural Grants:

Agency: University of Iowa Injury Prevention Research Center and the Iowa Initiative for Artificial Intelligence (IIAI)
Proposal: Advanced Eye Tracking of Moving Objects in Driving Simulation
Role: Principal Investigator
Amount: $45,000
Status: Awarded (July 2022 – June 2024)

Agency: University of Iowa, DeLTA Center Interdisciplinary Research Award
Proposal: High-Stakes Communication about Safety – Gesture Makes the Point
Role: Co - Principal Investigator
Amount: $1,000.00
Status: Complete.

CONFERENCE PRESENTATIONS

O'Neal, E.E., Kim, N. Y., & Plumert, J.M. (March 2023). *Parental scaffolding of chidlren's prospective*

control in a dynamic perception-action task. Oral presentation given at the 2023 biennial meeting of the Society for Research in Child Development, Salt Lake City, UT.

O'Neal, E.E., Subramanian, L.D., Noonan, M., Stoffel, J.A., Wang, J., Kim, N.Y., Kearney, J.K., & Plumert, J.M. (April 2023). *How do children respond to autonomous vehicle external human-machine interface cues?* Oral presentation accepted at the 2023 annual meeting of the Society for Violence and Injury Research, Denver, CO.

Kim, N. Y., **O'Neal, E.,** Noferesti, I., Wang, J., Flathau, J., Tang, H. Kearney, J. K., & Plumert, J. M. (April 2022). *A parent-based intervention program for training prospective control skills in children.* Poster presented at the 2022 biannual meeting of the Cognitive Development Society, Madison, WI.

O'Neal, E.E., Noonan, M.F., Tang, H., & Plumert, J.M. (April 2022). *How do mothers and fathers socialize safety values in sons and daughters?* Poster presented at the 2022 biannual meeting of the Cognitive Development Society, Madison, WI.

Kim, A., **O'Neal, E.E.,** Flathau, J., Tang, H., Kearney, J.K., & Plumert, J.M. (April 2022). *A parent-based intervention program for training prospective control skills in children.* Poster presented at the 2022 annual meeting of the Society for Research in Child Development, Washington D.C.

O'Neal, E.E., Peek-Asa, C., Wendt, L., Hamann, C., Reyes, M., & Yang, J. (March 2022). *Factors associated with teens' crash culpability.* Oral presentation given at the 2022 annual meeting of the Society for Violence and Injury Research, Washington D.C.

O'Neal, E.E., Plumert, J.M., & Peek-Asa, C. (March 2022). *A method for evaluating parent-teen conversations about potential roadway hazards.* Oral presentation given at the 2022 annual meeting of the Society for Violence and Injury Research, Washington D.C.

Peek-Asa, C., Zhang, L., Hamann, C., Reyes, M., **O'Neal, E.E.,** Yang, J. (March,2022). *Direct medical costs of teen-involved vehicle crashes by culpability in a rural state.* Oral presentation given at the 2022 annual meeting of the Society for Violence and Injury Research, Washington D.C.

O'Neal, E.E., Tang, H., Flathau, J., & Plumert, J.M. (April 2021). *Socialization of safety values in children: The role of parent and child gender.* Oral presentation accepted for presentation at the 2021 annual meeting of the Society for Violence and Injury Research, Virtual Conference.

O'Neal., E.E., Tang, H., Flathau, J., & Plumert, J.M. (April,2021). *How does parent gender impact the socialization of safety values in sons and daughters?* Oral presentation accepted for presentation at the 2021 biennial meeting of the Society for Research in Child Development, Virtual Conference.

Parr, M., Zhou, S., **O'Neal, E.E.,** Kearney, J.K., & Plumert, J.M. (April 2021). *How do Children Perceive and Act on Affordances When Walking vs Bicycling Across Roads?* Poster accepted for presentation at the 2021 biennial meeting of the Society for Research in Child Development, Virtual Conference.

Kim, A., **O'Neal, E.E.,** Flathau, J., Tang, H., Kearney, J.K., & Plumert, J.M. (April 2021). *A parent-based intervention program for training prospective control skills in children.* Poster accepted for presentation at the 2021 biennial meeting of the Society for Research in Child Development, Virtual Conference.

Brown, T., Schwarz, C., Sherony, R., Plumert, J., Kearney, J., & **O'Neal, E.** (November 2020). *Evaluating the safety benefits of adaptive headlamps for reducing vehicle crashes with pedestrians at night.* Poster presented at the 64th annual meeting of the Association for the Advancement of Automotive Medicine, Virtual Conference.

O'Neal, E.E. & Plumert, J. M. (October 2019). *How does child oppositionality impact parent-child conversations about safety?* Poster presented at the biennial meeting of the Cognitive Development Society, Louisville, KY.

O'Neal, E. E. & Plumert, J. M. (April 2019). *Peer influences on risk taking when crossing roads.* Oral

Presentation given at the biennial meeting of the Society for Advancement of Violence and Injury Research, Cincinnati, OH.

Subramanian, L. D., **O'Neal, E. E.**, Sherony, R., Plumert, J. M., & Kearney, J. K., (October 2019). *The impact of vehicle adaptive headlamp systems on nighttime bicyclist safety.* Oral presentation given at the Road Safety and Simulation meeting, Iowa City, IA.

O'Neal, E. E. & Plumert J. M. (November 2018). *How do parents teach children to cross roads safely? A study of parent-child road-crossing in an immersive pedestrian simulator.* Oral presentation given at the Safety 2018 World Conference in Bangkok, Thailand.

Subramanian, L. D., **O'Neal, E. E.**, Mallaro, S., Williams, B., Plumert, J. M., & Kearney, J. K. (January 2018). *Pedestrian road crossing at night in an immersive simulator.* Oral presentation given at the 97th Transportation Research Board annual meeting, Washington, D.C.

Rahimian, P., **O'Neal, E. E.**, Zhou, S., Yon, J. P., Franzen, L., Plumert, J. M., & Kearney, J. K. (January 2018). *Vehicle-to-pedestrian (V2P) communications technology: Do cell phone warnings improve road-crossing safety for texting pedestrians?* Oral presentation given at the 97th Transportation Research Board annual meeting, Washington, D.C.

O'Neal, E. E., Zhao, S., & Plumert, J. M. (September 2017). *Using an immersive virtual environment to study parent-child safety conversations in vivo.* Oral presentation given at the biennial meeting of the Society for Advancement of Violence and Injury Research, Ann Arbor, MI.

Jiang, Y., **O'Neal, E. E.,** Zhou, S., Plumert, J. M., & Kearney, J. K. (September 2017). *Crossing roads with a computer-generated agent: lasting effects on perception-action tuning.* Poster presented at the AMC Symposium on Applied Perception, Cottbus, Germany.

O'Neal, E. E., Brown, K., Jiang, Y., Rahimian, P., Kearney, J. K., & Plumert, J. M. (April 2017). *Parental influence on road-crossing safety*. Poster presented at the biennial meeting of the Society for Research in Child Development, Austin, TX.

O'Neal, E. E., Grechkin, T., Kearney, J. K., & Plumert, J. M. (December 2016). *Crossing one-way vs. two-way simulated traffic: Differences in crash risk among adolescent bicyclists.* Oral presentation given at the 10th University Transportation Centers Spotlight Conference: Pedestrian and Bicycle Safety in Washington D.C.

O'Neal, E. E. & Plumert, J. M. (September 2016). *Proactive and reactive parent-child conversations about safety.* Poster presented at the Safety 2016 World Conference in Tampere, Finland.

O'Neal, E. E., Plumert, J. M., McClure, L. M., & Schwebel, D. C. (September 2016). *The role of body mass index on childhood pedestrian injury.* Poster and poster pitch oral presentation presented at the Safety 2016 World Conference in Tampere, Finland.

O'Neal, E. E., Brown, K., Franzen, L., Kearney, J. K., & Plumert, J. M. (June 2016). *How friends cross virtual streets: A joint affordances task.* Poster presented at the Spring 2016 Safer Simposium in Madison, WI.

O'Neal, E. E. *Peer influence on road crossing safety.* (June 2016). Talk given at the Spring 2016 Safer Simposium at Madison, WI, University of Wisconsin.

Jiang, Y., **O'Neal, E. E.,** Yon, J. P., Franzen, L., Rahimian, P., Plumert, J. M., & Kearmey, J. K. (March 2016). *Acting together: Joint pedestrian road crossing in an immersive virtual environment.* Poster presented at IEEE Virtual Reality 2016 in Greenville, SC.

O'Neal, E. E., Franzen, L., Yon, J. P., Kearney, J., Plumert, J. M. (October 2015). *How do immature movement timing skills put child pedestrians at risk for collisions with motor vehicles?* Poster presented at the 2015 Road Safety and Simulation meeting in Orlando, FL.

Brown, K., Franzen, L., **O'Neal, E.,** Kearney, J. K., & Plumert, J. M. (October 2015). *Perceiving and acting on*

joint affordances: How children cross roads together. Poster presented at the 9th biennial meeting of the Cognitive Development Society in Columbus, OH.

O'Neal, E. E., Franzen, L., Brown, K., Jiang, Y., Rahimian, P., Yon, J. P., Kearney, J. K., & Plumert, J. M (October 2015). *Learning to link decisions and actions: Developmental change in children's road-crossing skills.* Poster presented at the 9th biennial meeting of the Cognitive Development Society in Columbus, OH.

O'Neal, E. E., Grechkin, T., Franzen, L., Montgomery, Q., Kearney, J., & Plumert, J. M. (March 2015). *Perceiving and acting of complex affordances: How children and adults cross one-way versus two-way traffic.* Poster presented at the biennial meeting of the Society for Research in Child Development, Philadelphia, PA.

Hilliard, C., **O'Neal, E.,** Plumert, J., & Wagner-Cook, S. (March 2015). *Pointing Gestures Influence the Learning of Safety Values in Children.* Poster presented at the biennial meeting of the Society for Research in Child Development, Philadelphia, PA.

O'Neal, E. E., Franzen, L., Brown, K., Zeken, T., & Plumert, J. M. (March 2015). *The Potential Impact of Income on Mother-Child Conversation about Safety.* Poster resented at the biennial meeting of the Society for the Advancement of Violence and Injury Research, New Orleans, LA.

O'Neal, E. E., & Jiang, Y. Y. (February 2015). *Joint action in pedestrian road-crossing.* Talk given at the first Safer-Simposium at San Juan, PR, University of Puerto Rico at Mayagüez.

Hilliard, C., **O'Neal, E.,** Plumert, J., & Cook, S. W. (November 2013). *Gesturing helps parents communicate about safety*. Poster presented at the Boston University Conference for Language Development, Boston, MA.

O'Neal, E. E., & Plumert, J. M. (October 2013) *Mother-child conversations about safety: Implications for children's causal understanding*. Poster presented at the 8th biennial meeting of the Cognitive Development Society, Memphis, TN.

O'Neal, E. E., Plumert, J.M., & Schwebel, D.C. (October 2012). *How well do children estimate the time it takes to cross a road? A risk factor for pedestrian injury.* Poster presented at the 10th World Conference on Injury Prevention and Safety Promotion, Wellington, New Zealand.

McCorkle, M. M., **O'Neal, E. E.,** Johnston, A, & Schwebel, D. C. (August 2012). *Demographic, temperament, and intelligence correlates of children's pedestrian route selections.* Poster accepted for presentation at the annual meeting of the American Psychological Association, Orlando, FL.

Davis, A. L., Schwebel, D. C., Morrongiello, B. A., & **O'Neal, E. E.** (June 2011). *The effects of temperament on children's interaction with a dog and risk for dog bites.* Poster presented at the annual meeting of the Alabama Psychological Association, Orange Beach, AL.

Avis, K. T., **O'Neal, E. E.**, McCartney, L. M., Balzer, R., & Schwebel, D. C. (March 2011). *Does obstructive sleep apnea affect children's pedestrian safety?* Poster presented at the annual meeting of Sleep Health and Safety 2011, Washington DC.

O'Neal, E. E., King, R., Shingareva, K., & Schwebel, D. C. (September 2010). *Participant familiarization and orientation in virtual reality environments.* Poster presented at the biennial meeting of the International Society for Child and Adolescent Injury Prevention, Bristol, UK.

Davis A. L., Schwebel D. C., Tate B., **O'Neal E. E.,** & Morrongiello, B. A. (September 2010). *The effects of gender and risk tolerance on children's injury history.* Poster presented at the biennial meeting of the International Society for Child and Adolescent Injury Prevention, Bristol, UK.

Davis, A. L., Schwebel, D. C., Morrongiello, B. A., Stewart, J., Bell, M., & **O'Neal, E. E.** (September, 2010). *Inhibitory control and children's risk for dog bites*. Poster presented at the 10th World Conference on Injury Prevention and Safety Promotion, London, UK.

King, R., **O'Neal, E. E**., Schwebel, D. (August 2010). *Safety of using hands-free headsets while driving.* Poster presented at the annual meeting of the American Psychological Association, San Diego, CA.

Mizzell, J., Byington, K. W., Renfroe, M., **O'Neal, E. E.,** & Schwebel, D. C. (April 2010). *Text-messaging and driving: Epidemiological data and implications for prevention.* Poster presented at the annual meeting of the Society for Behavioral Medicine, Seattle, WA.

O'Neal, E. E., Schwebel, D. C., & Davis, T. (March 2010). *College-aged drivers: Internet technology on phones may pose new driving risks.* Poster presented at the annual meeting of the Southeastern Psychological Association, Chattanooga, TN.

INIVITED TALKS

O'Neal, E.E *Child development and road traffic injury risk.* 2022 Iowa Safe Routes to School Conferences, Des Moines, January 27, 2022.

O'Neal, E.E. *Learning to drive: Parent-teen study.* Statewide Traffic Records Coordinating Committee, University of Iowa, September 23, 2021.

O'Neal, E.E. *Parents' role in preventing childhood injury.* 2020 Preventing Childhood Injury Conference, Virtual conference, September 15, 2020.

O'Neal, E.E. *Child pedestrians crossing the street and impacts for school bus stops.* School Transportation New EXPO, Indianapolis, IN, June 9, 2019.

O'Neal, E. E. *Parent-child conversations about safety: A mechanism to prevent injury.* Developmental Science area brown bag presentation in the Department of Psychological and Brain Sciences, University of Iowa, October 3, 2016.

O'Neal, E. E. *Proactive and reactive parent-child conversations about safety.* Occupational and Environmental Health Seminar, University of Iowa, Iowa City, IA. December 1, 2015.

O'Neal, E. E. *Developmental changes in child pedestrian skills.* SAFER-SIM lecture series, University of Iowa, Iowa City, IA, April 22, 2015.

O'Neal, E. E. *Proactive and reactive parent-child conversations about safety.* Developmental Science area brown bag presentation in the Department of Psychology, University of Iowa, April 2, 2014.

O'Neal. E. E. *Mother-child disagreements about safety.* Developmental Science area data blitz presentation in the Department of Psychology, University of Iowa, September 4, 2013.

O'Neal, E. E. *Connecting the dots: Mother-child conversations about safety.* Second year graduate symposium, University of Iowa, February 1, 2013.

TEACHING EXPERIENCE

Administrative Teaching Assistant (University of Iowa)
- Elementary Psychology, Spring 2013

Teaching Assistant (University of Iowa)
- Research Methods and Data Analysis in Psychology I, Spring 2017
- Elementary Psychology, Fall 2012
- Introduction to Developmental Science, Fall 2011

Guest Lecturer
- Advanced Psychology for Pre-Medical Track, Spring 2022
- Foundation of the Learning Sciences, Fall 2021
- Research Methods in Human-Computer Interaction, Fall 2021
- Global Road Safety, Spring 2018, Spring 2019, Spring 2020, Spring 2021, Spring 2022
- Psychology Seminar: Applied Developmental Psychology, Fall 2019
- Childhood Psychopathology, Spring 2017

PROFESSIONAL MEMBERSHIPS

American Psychological Association

Cognitive Development Society
Society for Research in Child Development
Society for the Advancement of Violence and Injury Research

JOURNAL REVIEWING

Nature
Pediatrics
Accident Analysis and Prevention
Injury Prevention
Transportation Research Record
Frontiers in Virtual Reality
International Journal of Environmental Research and Public Health
International Journal of Injury Control and Safety
Journal of Safety Research
Early Education and Development
Journal of Applied Development
British Journal of Educational Psychology
Traffic Injury Prevention
Journal of Transportation Safety & Security
Journal of American College Health
Social Science & Medicine

PROFESSIONAL MEETING REVIEWING

Society for the Advancement of Violence and Injury Research – 2020, 2021, 2022
Transportation Research Board – 2019, 2022
Road Safety and Simulation - 2019
Driving Assessment - 2019

PROFESSIONAL SERVICE

Governor's Traffic Safety Board – Pedestrian Safety Initiative Committee Member (July 2022 – present)
Co-chair - Society for the Advancement of Violence and Injury Research (SAVIR) - Science Committee (Oct 2021 – present)
Committee Member - SAVIR – Conference Planning Committee (2021 – present)
Committee Member – SAVIR - Science Committee (2019 – present)
Session Moderator – Society for the Advancement of Violence and Injury Research Annual Conference (2021, 2022)
Session Moderator – Road Safety and Simulation 2019 International Conference (October 2019)
Bicycle Advisory Committee – University of Iowa (January 2017 – February 2018)
Poster Session Chair – Safety 2016 World Conference (September 2016)
Graduate Student Advisory Committee – Developmental Science Area Representative (Aug 2012 - July 2014)
DeLTA Center – Graduate Student Representative (May 2012 - December 2013)
DeLTA Center – Co-Graduate Student Representative (January 2012 - May 2012)

MEDIA COVERAGE

O'Neal, Zhou, Jiang, Kearney, & Plumert (2021).

Radio Iowa

Rahimian, O'Neal, Plumert, and Kearney (2018).
BBC World Service Health Check

O'Neal, Jiang, Franzen, Rahimian, Yon, Kearney, & Plumert (2018)
ABC's Good Morning America

O'Neal, Plumert, & Peterson (2016)
New York Magazine
Iowa Public Radio
Yahoo Parenting

O'Neal & Plumert (2014)
Huffington Post
Scientific American
Academic Minute
Live Science

COMMUNITY OUTREACH

"Distracted Driving" – talk given at Safer Driver Driver's Education – May 2nd, 2019

"Improving Interactions with Current Biking Infrastructure" – Health campaign carried out in conjunction with City of Iowa City - Spring 2016

"Screen Time and Your Child" – talk given at the NEST of Johnson County – April 28th, 2014