

**Austin Svancara**  
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**Education**

- Expected*  
05/2022 PhD Lifespan Developmental Psychology  
University of Alabama at Birmingham, Birmingham, AL.
- 07/2020 M.A. Lifespan Developmental Psychology  
University of Alabama at Birmingham, Birmingham, AL.  
*Title: The Impact of Time-to-Collision Estimates on Transportation Safety for Young Drivers with Developmental Disabilities*
- 05/2016 B.S. Behavioral Neuroscience  
University of Kansas, Lawrence, KS
- 05/2016 Minor in Social and Behavioral Science Methodology  
University of Kansas, Lawrence, KS.
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**Manuscripts - Published**

- Bednarz, H.M., Stavrinou, D., **Svancara, A.M.**, Sherrod, G.M., Kana, R.K. (2021). Neuropsychological Predictors of Driving Hazard Detection in Autism Spectrum Disorder and ADHD. *Child Neuropsychology*.
- Bednarz, H.M., Stavrinou, D., **Svancara, A.M.**, Sherrod, G.M., Deshpande, H.D., Kana, R.K. (2021) Behind the Wheels with Autism and ADHD: Brain Networks Involved in Driving Hazard Detection. *Transportation Research Part F*, 77, 274-292.
- Whittington, C., McManus, B., Albright, G., Beck, H., Buford, K., Gresham, B., **Svancara, A.M.**, Underhill, A., Anthony, T., Mrug, S., & Stavrinou, D. (2020) Methodological Considerations for Longitudinal Investigations of Young Drivers. *Transportation Research*, 75, 214-221.
- Stavrinou, D., McManus, B., Mrug, S., He, H., Gresham, B., Albright, M.G., **Svancara, A.M.**, Whittington, C., Underhill, A., White, D.M. (2020) Adolescent Driving Behavior Before and During Restrictions Related to COVID-19. *Accident Analysis & Prevention*, 144, 105686.
- Svancara, A.M.**, Kelley-Baker, T., Horrey, WJ, Molnar, L., Eby, D., Mielenz, T., Hill, L., DiGuseppi, C., Strogatz, D., & Guohua, L. (2020). The Relationship Between In-Vehicle Technologies and Self-Regulation Among Older Drivers. *Geriatrics*, 5(2), 23.
- Kim, W., **Svancara, A.M.**, Kelley-Baker, T. (2020). Understanding the Impact of Road Design Characteristic on Teen Driver's Fatality. *Traffic Injury Prevention*, 21(5), 313-318.
- Wright, T.J., **Svancara, A.M.**, & Horrey, W.J. (2019). Consumer Information Potpourri: Instructional and Operational Variability Among Passenger Vehicle Automated Systems. *Ergonomic in Design*, 28(1), 4-15.
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**Manuscripts – Under Review**

- Villavicencio, L., **Svancara, A.M.**, Tefft, B.C., Kelley-Baker, T. (2021). Passenger Presence and Teen Driver Crash Severity in Teen Driver Related Crashes. *Journal of Adolescent Health*. Manuscript under review.

- Svancara, A.M.**, Kana, R., Bednarz, H., Sherrod, G., Visscher, K., McManus, B., & Stavrinis, D. (2021) Time-to-Collision Estimations in Young Drivers with Autism Spectrum Disorder and Attention-Deficit/Hyperactivity Disorder. *Journal of Autism and Developmental Disorders*. Manuscript under review.
- Svancara, A.M.**, Albright, M.G., McManus, B., Marcum, S., Bishop, H.J., Stavrinis, D. (2021) Perceived Driving Styles Among Drivers with Developmental Disabilities. *Journal of Autism and Developmental Disorders*. Manuscript under review.

### **Reports**

- Villavicencio, L., **Svancara, A.M.**, Horrey, W., Kelley-Baker, T., Kim, W. & Tefft, B.C. (2018). Assessing Fatality Rates in Crash Involvement for Motorists and Non-Motorists in Teen Driver Crashes by Risk Factor. *AAA Foundation for Traffic Safety*.
- Benson, A.J., Tefft, B.C., **Svancara, A.M.**, & Horrey, W.J. (2018). Potential Reductions in Crashes, Injuries, and Deaths from Large-Scale Deployment of Advanced Driver Assistance Systems. *AAA Foundation for Traffic Safety*.

### **Scientific Conference Presentations**

- Stavrinis, D., McManus, B., Mrug, S., Underhill, A., Anthony, T., Visscher, K., Albright, M.G., **Svancara, A.M.**, & Pawar, P. (2021, October). *Developmental Trajectories of Driving Attention in Newly Licensed Adolescents*. Short communication submitted for presentation at the 65<sup>th</sup> Association for the Advancement of Automotive Medicine Annual Conference. Indianapolis, IN.
- Svancara, A. M.**, Albright, M. G., McManus, B., Marcum, S., Bishop, H. J., & Stavrinis, D. (2021, January). *Effect of Perceived Driving Styles on Simulated Driving Performance Among Drivers with Developmental Disabilities*. Poster presentation to the Transportation Review Board 100<sup>th</sup> Annual Meeting. [Virtual Conference due to Covid-19].
- Svancara, A. M.**, Kana, R. K., McManus, B., Bednarz, H. M., Sherrod, G. M., & Stavrinis, D. (2021, January). *Time-to-Collision Estimations Among Drivers with Developmental Disabilities: Learning Effects and Cognitive Factors*. Poster presentation to the Transportation Review Board 100<sup>th</sup> Annual Meeting. [Virtual Conference due to Covid-19].
- Sherrod, G. M., Kana, R. K., McManus, B., Bednarz, H. M., **Svancara, A. M.**, Pawar, P. M., & Stavrinis, D. (2021, January). *Exploring factor relationships among driving simulator outcome variables in horizontal curves using a neurodiverse sample*. Poster presentation to the Transportation Review Board 100<sup>th</sup> Annual Meeting. [Virtual Conference due to Covid-19].
- Svancara, A.M.**, Bednarz, H., Sherrod, G, Kana, R., Stavrinis, D. (2020, April). *Transportation Barriers and Preferences Among Drivers with Developmental Disabilities*. Poster accepted to the Association for Clinical and Translational Science 2020 Meeting, Washington, DC. [Virtual Conference due to Covid-19].
- Albright, G., Stager, L.M., **Svancara, A.M.**, McManus, B., Bishop, H.J., Stavrinis, D. (2020, March). *Risky Driving Profiles of Young Drivers with ADHD and ASD*. Poster presented to the Society of Pediatric Psychology Annual Conference, Dallas, TX.

- Svancara, A.M.**, Albright, M.G., Marcrum, S., Bishop, H.J., McManus, B., Stavrinou, D. (January, 2020). *Driving Styles Among Drivers With Developmental Disabilities*. Poster presented to the Transportation Review Board 99<sup>th</sup> Annual Meeting. Washington, DC.
- Svancara, A.M.**, Bednarz, H., Kana, R., & Stavrinou, D. (2019, January). *The Impact of Time-To-Collision Estimations On Young Drivers With And Without Disabilities*. Poster presented at the Transportation Review Board 97<sup>th</sup> Annual Meeting. Washington, DC.
- Villavicencio, L., **Svancara, A.M.**, Kim, W., Kelley-Baker, T. (2019, January). *Estimating the Effect of Passengers in Fatal and Non-Fatal Crashes Involving Teen Drivers*. Poster presented at the Transportation Review Board 97<sup>th</sup> Annual Meeting. Washington, DC.
- Kim, W., Kelley-Baker, T., Maldonado, P.A., & **Svancara, A. M.** (2019, January). *Understanding the Impact of Road Design Characteristics of Fatal Crash Involvement Risks Among Teen Drivers*. Poster presented at the Transportation Review Board 97<sup>th</sup> Annual Meeting. Washington, DC.
- Wright, T., **Svancara, A.**, & Horrey, W. (2017). *An Initial Review of the Instructional and Operational Variability Among Automated Systems in Passenger Vehicles*. Presented at the Human Factors and Ergonomics Society 61<sup>st</sup> Annual International Meeting.
- Svancara, A.**, Atchley, P., & Atchley, R.A. (2016). *Distracted Driving Habits Among Self-Reported ADHD Groups*. Poster presented at the Annual Spring Symposium for Undergraduate Psychology Engagement and Research, Lawrence, KS.
- Miller, A., Gregersen, S., Benau, E., **Svancara, A.**, Atchley, R., & Gillath O. (2016). *Neural Responses to Personalized vs. Generalized Attachment Security Priming*. Poster presented at the 10th Annual Meeting of the Social and Affective Neuroscience Society
- Benau, E.M., **Svancara, A.M.**, Parrish, B.A., Atchley, R.A. (2016). *Some Insults Are More Heartfelt: Interoception Reveals Individual Differences in the Amplitude of the Late Positive Potential When Viewing Embodied Insults and Compliments*. Poster presented at the 9th annual meeting of the Social and Affective Neuroscience Society, New York City, NY.
- Benau, E. M., Fennell, A. B., Kirchoff, J. E, **Svancara, A. M.**, McCartin, J. P., Dore, S. S. (2015). *Time Flies When You're Having Fun, And It Flew Faster When You're Feeling Blue: Negative Mood Induction Increases the Overestimation of Time*. Poster presented at the Society for Psychological Research 55<sup>th</sup> Annual Meeting. Seattle, WA.
- Florschutz, A., Kirchoff, J., Ragsdale, B., **Svancara, A.** (2015). *The Physiology of Music: A Study in Familiarity, Arousal, and Emotion*. Poster presented at the Annual Spring Symposium for Undergraduate Psychology Engagement and Research, Lawrence KS.

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## Grants

University of Alabama – Civitan International Research Center – Preston Sewell Emerging Scholars	2020 – Funded – \$25,000
Dwight David Eisenhower Transportation Fellowship	2020 – Funded – \$10,000
Dwight David Eisenhower Transportation Fellowship	2019 – Funded – \$5,000
University of Alabama – Center for Clinical and Translational Science – Predoctoral Clinical/Translational Research Program (TL1)	2019 – Funded – \$42,316

Lizette Peterson-Homer Injury Prevention Grant	2018 – Not Funded
University of Alabama – Civitan Emerging Scholars	2018 – Not Funded
Dwight David Eisenhower Transportation Fellowship	2018 – Funded – \$5,000
National Science Foundation – Graduate Research Fellowship	2018 – Not Funded
Dwight David Eisenhower Transportation Fellowship	2017 – Funded – \$5,000
University of Alabama – Civitan Emerging Scholars	2017 – Not Funded

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### **Honors and Awards**

University of Alabama – Civitan International Research Center – Preston Sewell Emerging Scholar	2020
AAA Foundation for Traffic Safety – 2018 Summer Internship	2018
National Science Foundation-Graduate Research Fellowship Program – Honorable Mention	2018
U.S. Department of Transportation Dwight D. Eisenhower Fellow	2017-2019
3 Minute Thesis – Master Level Winner	2017
University of Kansas - Undergraduate Research Award	2016
University of Kansas - Psychology Departmental Honors	2016
University of Kansas - Research Experience Program	2016
Eagle Scout – Boy Scouts of America	2010

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### **Media Exposure**

Boston Globe – “What will self-driving cars mean for insurers?”	2016
UAB – Graduate School – “Congratulations to the 2017 3MT Winners”	2018
UAB – “Eisenhower Transportation Fellowship awarded to five UAB graduate students”	2017
UAB – “National traffic safety program invites UAB graduate student to participate in research internship”	2018
Child and Family Policy Consortium Quarterly Newsletter	2018
UAB Psychology – Summer 2018 Newsletter	2018
UAB – “Three students named research fellows by the U.S. Department of Transportation”	2019

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### **Technical Skills**

- Realtime Technologies Inc™ driving simulator
- Experienced in using Stata, SPSS, SAS, and R statistical software
- Training in structural equation modelling, multivariate data analysis, and regression analysis
- Experienced in using C++, JavaScript and Matlab software
- Trained to apply and use various psychophysiological methods, such as heart rate, respiration rate, galvanic skin response, electromyography in Biopac 3.7 software