

Zihao (Scott) Li, Ph.D.

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Department of Civil, Construction & Environmental Engineering, Marquette University

Room 267 Haggerty Hall, Milwaukee, Wisconsin 53233, USA

EDUCATION

- **Texas A&M University** 09/2020 – 12/2024
Ph.D., Zachry Department of Civil & Environmental Engineering College Station, TX, USA
 - Dissertation: *Enhancing Cyber-Physical Resilience of Connected and Automated Vehicle Systems*
 - Dissertation Committee: Yunlong Zhang (Chair), Xiubin “Bruce” Wang (CVEN), Yang Zhou (CVEN), Swaroop Darbha (MEEN), Tianbao Yang (CSCE)
- **Tsinghua University** 09/2017 – 06/2020
M.S., Department of Engineering Physics Beijing, China
 - Thesis: *Analysis of Operation Resilience in Metro Network based on Passenger Flow Data*
- **Northeastern University** 09/2013 – 06/2017
B.S., School of Resource and Civil Engineering Shenyang, China
 - Thesis: *Analysis on the leakage consequences and influencing factors of urban LPG pipeline by Fluent*

APPOINTMENTS

- **Marquette University**
Department of Civil, Construction and Environmental Engineering Milwaukee, WI, USA
 - Assistant Professor 08/2026 – Present
 - Courtesy Visiting Assistant Professor 05/2026 – 08/2026
- **Texas A&M University**
Zachry Department of Civil & Environmental Engineering College Station, TX, USA
 - Postdoctoral Researcher 01/2025 – 08/2026
 - Lecturer 01/2025 – 05/2025
 - Dissertation Fellow 12/2023 – 12/2024
 - Teaching Assistant 09/2023 – 12/2023
 - Research Assistant 01/2021 – 04/2021
- **Texas A&M Transportation Institute (TTI)**
Mobility Division Bryan, TX, USA
 - Research Assistant 04/2021 – 08/2023

RESEARCH INTERESTS

- Multimodal and Agentic AI for Intelligent Transportation Systems
- Cyber-Physical-Human Transportation Resilience
- Connected and Automated Transportation Systems and Vehicle Control
- Traffic Flow Theory and Modeling
- Active Traffic Safety Analysis and Intervention

HONORS AND AWARDS

- University Transportation Center (UTC) for Freight Transportation for Efficient & Resilient Supply Chain (FERSC) Special Recognition of Outstanding Leadership and Services 2024
- **Texas A&M University Dissertation Fellowship** 2024
- Texas A&M University CVEN Graduate Student Travel Fund 2024
- Texas A&M Graduate School Research and Presentation Travel Award 2023
- Texas A&M Transportation Institute Keese-Wootan Transportation Fellowship 2022
- Intelligent Transportation Society (ITS) Texas Scholarship 2021
- Zachry Department of Civil & Environmental Engineering Excellence Fellowship 2020
- Tsinghua University Excellence Scholarship 2019
- Direct Admission to the Graduate School at Tsinghua University 2017
- Outstanding Bachelor’s Graduation Thesis, Northeastern University 2017
- Northeastern University Outstanding Student 2017
- Dalian Alumni Association Scholarship, Northeastern University 2016

TEACHING EXPERIENCE

Sole Instructor

- CEEN 4640, Traffic Characteristics and Design, Marquette University Fall 2026
- CVEN 307-502, Transportation Engineering, Texas A&M University (evaluation: 4.75/5.00) Spring 2025

Guest Lecturer

- CEEN 1200, Introduction to Infrastructure, Marquette University, Fall 2026
- CVEN 618, Traffic Engineering: Operation, Texas A&M University, Spring 2024
- CVEN 307, Transportation Engineering, Texas A&M University, Fall 2023, Spring 2024
- CVEN 456/696, Urban Traffic Facilities, Texas A&M University, Spring 2023, Spring 2024

Teaching Assistant

- CVEN 307, Transportation Engineering, Texas A&M University, Fall 2023
(Led office hours; prepared course materials and exam problems; graded homework and exams)

Graduate Mentor

- [Camp BUILD](#), Texas A&M University, Summer 2025

JOURNAL PUBLICATIONS

* CORRESPONDING AUTHOR; † CO-FIRST AUTHOR

Peer-Reviewed Journal Articles

- [J23] Yue, X., Zhang, Y., Li, Z.*, & Zhou, Y. (2026) Markov-based Analytical Approximation for Mixed Traffic Delay for Signalized Intersection. **Transportation Research Record**. Accepted
- [J22] Li, Z., Lin, Q., Pu, F., Ahn, S., Zhang, Y., Jiang, J., & Zhou, Y*. (2026) Unveiling Traffic Wave of Linear Adaptive Cruise Control: A Second-order Macroscopic Traffic Flow Model. **Transportation Research Part B: Methodological**, 211, 103506, 2026. Accepted at the 26th ISTTT.
- [J21] Kuai, C., Li, Z.*, Zhang, Y*, Wang, X. B., Lord, D., & Zhou, Y. (2026). U.S. Port Disruptions under Tropical Cyclones: Resilience Analysis by Harnessing Multiple-Source Dataset. **Transportation Research Part D: Transport and Environment**, 157, 105420.
- [J20] Li, Z., Ma, C., Zhou, Y., Lord, D., & Zhang, Y*. (2025). Leveraging Textual Description and Structured Data for Estimating Crash Risks of Traffic Violation: A Multimodal Learning Approach. **IEEE Transactions on Intelligent Transportation Systems**, 26(7), 9201–9213.
- [J19] Li, Z., Zhou, Y., Jiang, J., Zhang, Y*, & Kulkarni, M. M. (2025). Adaptive Cruise Control under threat: A stochastic active safety analysis of sensing attacks in mixed traffic. **Accident Analysis & Prevention**, 209, 107813.
- [J18] Li, Z., Zhou, Y*, Zhang, Y., & Li, X. (2024). Enhancing Vehicular Platoon Stability in the Presence of Communication Cyberattacks: A Reliable Longitudinal Cooperative Control Strategy. **Transportation Research Part C: Emerging Technologies**, 163, 104660.
- [J17] Li, Z., Zhou, Y*, Chen, D., & Zhang, Y. (2024). Disturbances and safety analysis of linear adaptive cruise control for cut-in scenarios: A theoretical framework. **Transportation Research Part C: Emerging Technologies**, 104576.
- [J16] Li, Z., Wei, Z., Kong, X., Zhang, Y*, & Ma, C. (2023). Interpretable Machine Learning Framework to Studying Mobility Inequity in the Recovery Phase of COVID-19 Pandemic. **Travel Behaviour and Society**, 33, 100621.
- [J15] Li, Z., Kong, X., & Zhang, Y* (2023). Exploration of factors associated with pedestrian assertiveness while crossing unsignalized intersections. **Transportation Research Record**, 2677(6), 182–198.
- [J14] Li, Z., Tian, X., Li, Z., Zhou, W., Zhou, Z., & Zhong, M.* (2019). Risk analysis of metro station passenger flow based on passenger flow patterns. **Journal of Tsinghua University: Science & Technology**, 59(10), 854–860.
- [J13] Pu, F., Li, Z., Wu, Y*, Ma, C., & Zhao, R. (2025). Recent Advances in Disaster Emergency Response Planning: Integrating Optimization, Machine Learning, and Simulation. **Safety Emergency Science**.
- [J12] Zhang, H., Li, S., Li, Z., Anis, M., Lord, D., & Zhou, Y*. (2025). Why Anticipatory Sensing Matters in ACC Systems under Cut-In Scenarios: A Stochastic Safety Analysis. **Accident Analysis & Prevention**.
- [J11] Zhang, H., Yue, X., Tian, K., Li, S., Wu, K., Li, Z., Lord, D., & Zhou, Y*. (2025). Virtual Roads, Smarter Safety: A Digital Twin Framework for Mixed Autonomous Traffic Safety Analysis. **IEEE Internet of Things Journal**, vol. 13, no. 4, pp. 6045–6058.
- [J10] Wei, Z., Zhou, Y., Li, Z., Kulkarni, M., & Zhang, Y*. (2024). Supporting equitable and responsible highway safety improvement funding allocation strategies: Why AI prediction biases matter. **Accident Analysis & Prevention**, 202, 107585.

- [J9] Wei, Z., Das, S., Wu, Y., Li, Z., & Zhang, Y.* (2024). Investigating the exposure-lag-response association of hourly weather and speed variation factors on rural freeway crash risk: A space-time-stratified case-crossover study. **Accident Analysis & Prevention**, 195, 107411.
- [J8] Yue, X., Shi, H., Zhou, Y.*, & Li, Z. (2024). Hybrid car following control for CAVs: Integrating linear feedback and deep reinforcement learning to stabilize mixed traffic. **Transportation Research Part C: Emerging Technologies**, 167, 104773.
- [J7] Kong, X., Zhang, A., Zhang, Y.*, Guo, X., Xiao, X., & Li, Z. (2024). Investigating Relationships Between Phone Use While Driving Behavior and Drivers' Socio-demographic Characteristics: An Interpretable Machine Learning Approach. **Data Science for Transportation**, 6(2), 8.
- [J6] Cheng, H., Wu, L., Chen, J., Li, Z., Zhao, Y., & Zhong, M.* (2024). Experimental and numerical study on fire smoke propagation and ventilation modes in powerhouse of hydropower station during construction stage. **Journal of Intelligent Construction**, 2(4), 1–17.
- [J5] Kong, X., Li, Z., Wallis, J. R., & Zhang, Y.* (2023). Investigating factors influencing deck conditions of concrete bridge and steel bridge using an interpretable machine learning framework. **Data Science for Transportation**, 5(1), 1.
- [J4] Kong, X., Li, Z., Zhang, Y., Chen, X., Das, S.*, & Sheykhsfard, A. (2023). Case Study on the Relationship Between Socio-Demographic Characteristics and Work-from-Home Behavior Before, During, and After the COVID-19 Pandemic. **Transportation Research Record**, 03611981231172946.
- [J3] Wei, Z., Li, Z., Kulkarni, M., & Yue, X. (2023). Equitable traffic crash prediction framework to support safety improvement grants allocation. **ITE Journal**, 96(9), 37–45.
- [J2] Kong, X., Li, Z., Zhang, Y.*, & Das, S. (2022). Bridge Deck Deterioration: Reasons and Patterns. **Transportation Research Record**, 03611981221080140.
- [J1] Zhou, Y., Li, Z., Meng, Y., Li, Z., & Zhong, M*. (2021). Analyzing spatio-temporal impacts of extreme rainfall events on metro ridership characteristics. **Physica A: Statistical Mechanics and its Applications**, 577, 126053.

Under Review and Preprints

- [U8] Jiang, J., Gao, X., Li, Z., Wu, K., Rosen, B., Tu, Z., & Zhou, Y.* Toward Airborne Infrastructure-as-a-Service: A Survey on Adaptive Intelligence in Mobility Systems. **IEEE Internet of Things Journal**. Under review.
- [U7] Li, Z.[†], Cao, X.[†], Gao, X., Tian, K., Wu, K., Anis, M., Zhang, H., Long, K., Jiang, J., Li, X., Zhang, Y., Fan, Z., Yang, T., Lord, D., Tu, Z., & Zhou, Y.* Simulating the unseen: Urban crash prevention should learn from what did not happen. **Accident Analysis & Prevention**. Under review.
- [U6] Li, Z.[†], Kuai, C.[†], Rosen, B., Paal, S., Jafari, N., Briaud, J., Zhang, Y., Hashash, Y., & Zhou, Y.* (2025). Knowledge-Grounded Agentic Large Language Models for Multi-Hazard Understanding from Reconnaissance Reports. **International Journal of Data Science and Analytics**. Under review.
- [U5] Li, Z., Pu, F., Ahn, S.*, & Zhou, Y.* Modeling Cascading impact of Modes Transition in Partial Automation Traffic: A Semi-Markov Chain Approach. **Transportation Research Part C: Emerging Technologies**. Under review.
- [U4] Pu, F., Li, Z., Ahn, S., Rathinam, S., Zheng, M., & Zhou, Y. C3M2AT: Cyclic Modulation Control of Multi-Conflict Connected Automated Traffic. **Transportation Research Part E: Logistics and Transportation Review**. Under review
- [U3] Zhang, H., Li, Z., Wu, K., Lord, D., Tu, Z., & Zhou, Y*. (2025). On the Collision Risk of Stochastic Traffic: Analytical Approximation in 2D and 3D Spaces for Generic Vehicle. **Transportation Research Part C: Emerging Technologies**. Under review.
- [U2] Wu, K., Li, Z., Li, S., Ye, X., Lord, D., & Zhou, Y.* (2025). AI2-Active Safety: AI-enabled Interaction-aware Active Safety Analysis with Vehicle Dynamics. **Accident Analysis & Prevention**. Under review.
- [U1] Leungbootnak, N., Li, Z., Wei, Z., Lord, D., & Zhang, Y. (2025). Innovative Logit-Inspired Distribution for Modeling Headway of Heterogeneous Traffic Flow. **Transportation Research Record**. Under review.

RESEARCH REPORTS

- [R1] Li, Z., Zhang, Y., & Wang, B. (2023). [Prediction of Port Recovery Time after a Severe Storm](#). Research report prepared for the **Maritime Transportation Research and Education Center (MarTREC)**, a U.S. Department of Transportation Tier 1 University Transportation Center led by the University of Arkansas.

PATENT APPLICATIONS

- [PA1] Tan, Q., Yuan, H., Li, Z., et al. (2019). Leakage Identification Method of Buried Gas Pipeline Based on Machine Learning. **Chinese Patent Application**, CN201910478357.3.

Top-tier Artificial Intelligence (AI) Conferences

- [A4] Kuai, C., Wu, C., Zhou, Y., Wang, X., Yang, T., Tu, Z., **Li, Z.***, & Zhang, Y.* (2026). CyPortQA: Benchmarking Multimodal Large Language Models for Cyclone Preparedness in Port Operation. **Proceedings of the AAAI Conference on Artificial Intelligence. Oral presentation.**
- [A3] Luo, X., Yang, F., Fan, D., Gao, X., Yu, B., **Li, Z.**, Tu, Z., Zhou, Y., & Liu, C. (2026). V2X-UniPool: Unifying Multimodal Perception and Knowledge Reasoning for Autonomous Driving. **DriveX Workshop at CVPR 2026. Poster presentation.**
- [A2] Chen, N., Liu, L., **Li, Z.**, Zeng, Z., Zhu, Z., Cong, W., Hong, J., Yang, Y., Tu, Z., Wang, Y., Ivanovic, B., Pavone, M., Wang, Z., Zhou, Y., & Fan, Z. (2026). [A Physics-Grounded Benchmark for Multi-Agent Dynamics in World Models](#). **European Conference on Computer Vision (ECCV 2026), Spotlight Presentation.** Also presented as a poster at **The 2nd Workshop on Foundation Models Meet Embodied Agents at CVPR 2026.**
- [A1] Kuai, C., Jiang, J., Zhu, Z., Wang, H., Wu, K., **Li, Z.**, Zhang, Y., Liu, C., Tu, Z., Fan, Z., & Zhou, Y. (2026). How Independent are Large Language Models? A Statistical Framework for Auditing Behavioral Entanglement and Reweighting Verifier Ensembles. **Conference on Language Modeling (COLM 2026).** Poster presentation.

Transportation-related conferences

- [T27] Wu, K., Li, S., **Li, Z.**, Fan, Z., Li, X., & Zhou, Y. Learning Higher-Order Structure from Incomplete Spatiotemporal Data: Multi-Scale Hypergraph Laplacians with Neural Refinement. **Transportation Research Board (TRB) 106th Annual Meeting.** Under review
- [T26] Wu, K., Kuai, C., **Li, Z.**, Jiang, J., Shen, S., Wang, S., Hu, C.-W., Tu, Z., & Zhou, Y. (2026). Knowledge Is Not Static: Order-Aware Hypergraph RAG for Language Models. **Transportation Research Board (TRB) 106th Annual Meeting.** Under review
- [T25] **Li, Z.**, Zhang, Y., & Zhou, Y.* (2026). Reliable Cooperative Adaptive Cruise Control under Communication Cyberattacks: Multi-path Evaluation with Evidence Theory. **2026 IEEE 29th International Conference on Intelligent Transportation Systems (ITSC).**
- [T24] Kuai, C., **Li, Z.***, & Zhang, Y.* (2026). CyPortQA: Benchmarking Multimodal Large Language Models for Cyclone Preparedness in Port Operation. **8th Conference on Sustainable Mobility (CSuM2026).**
- [T23] **Li, Z.**, Pu, F., Ahn, S.*, & Zhou, Y.* Modeling Cascading impact of Drivers Intervention in Partial Automation Traffic: A Semi-Markov Chain Approach. **Transportation Research Board (TRB) 105th Annual Meeting.**
- [T22] Kuai, C., **Li, Z.***, Zhang, Y.*, Wang, X. B., Lord, D., & Zhou, Y. (2025). U.S. Port Disruptions under Tropical Cyclones: Resilience Analysis by Harnessing Multiple-Source Dataset. **Transportation Research Board (TRB) 105th Annual Meeting.**
- [T21] Zhang, H., Yue, X., Tian, K., Li, S., Wu, K., **Li, Z.**, Lord, D., & Zhou, Y*. (2025). Virtual Roads, Smarter Safety: A Digital Twin Framework for Mixed Autonomous Traffic Safety Analysis. **Transportation Research Board (TRB) 105th Annual Meeting.**
- [T20] Zhang, H., **Li, Z.**, Wu, K., Lord, D., Tu, Z., & Zhou, Y*. On the Collision Risk of Stochastic Traffic: Analytical Approximation in 2D and 3D Spaces for Generic Vehicle. **Transportation Research Board (TRB) 105th Annual Meeting.**
- [T19] Wu, K., **Li, Z.**, Li, S., Ye, X., Lord, D., & Zhou, Y.* (2025). AI2-Active Safety: AI-enabled Interaction-aware Active Safety Analysis with Vehicle Dynamics. **Transportation Research Board (TRB) 105th Annual Meeting.**
- [T18] Leungbootnak, N., **Li, Z.**, Wei, Z., Lord, D., & Zhang, Y. Innovative Logit-Inspired Distribution for Modeling Headway of Uninterrupted Heterogeneous Traffic Flow. **Transportation Research Board (TRB) 104th Annual Meeting.**
- [T17] **Li, Z.**, Zhang, Y., & Wang, X. (2024). Enhancing Port Resilience to Incoming Tropical Cyclones: Estimating Impact Ranking with Recommendation Algorithm. **18th International Conference on Freight Transportation System.**
- [T16] **Li, Z.**, Zhou, Y., Kulkarni, M., Jiang, J., & Zhang, Y. (2024). Probabilistic Impact Analysis for Sensor Attacks on Longitudinal Safety of Adaptive Cruise Control. **27th IEEE International Conference on Intelligent Transportation Systems (ITSC).**
- [T15] **Li, Z.†**, Allision, J.†, Ma, C., Zhang, Y., & Wang, X. (2024). Performance Evaluation of Reinforcement Learning-based Adaptive Signal Control Deployment in Urban Network. **17th International Federation of Automatic Control Symposium on Control in Transportation Systems.**
- [T14] **Li, Z.**, Zhang, Y., & Wang, X. (2024). Enhancing Port Resilience to Incoming Tropical Cyclones: Estimating Impact Ranking with Recommendation Algorithm. **1st Annual UTC Freight Transportation for Efficient & Resilient Supply Chain (FERSC) Conference.**

- [T13] Leungbootnak, N., **Li, Z.**, Wei, Z., Lord, D., & Zhang, Y. (2024). Innovative Logit-Inspired Distribution for Modeling Headway of Heterogeneous Traffic Flow. **2024 Texas District of the Institute of Transportation Engineers (TexITE) Spring Meeting.**
- [T12] **Li, Z.**, Zhou, Y., & Zhang, Y. (2024). Enhancing Vehicular Platoon Stability in the Presence of Communication Cyberattacks: A Reliable Longitudinal Cooperative Control Strategy. **Transportation Research Board (TRB) 103rd Annual Meeting.**
- [T11] **Li, Z.**, Zhang, Y., & Wang, X. (2024). Ranking Port Impact for Incoming Tropical Cyclones: A Recommendation Algorithm. **Transportation Research Board (TRB) 103rd Annual Meeting.**
- [T10] Zhang, C., **Li, Z.**, & Kuhn, B. (2024). Future Development of Connected and Autonomous Vehicles Workforce: A Review of Existing Training Programs and Career Requirements. **Transportation Research Board (TRB) 103rd Annual Meeting.**
- [T9] **Li, Z.**, Li, X., Zhang, H., Zhou, Y., Xie, S., & Zhang, Y. (2023). Overview of Sensing Attacks on Autonomous Vehicle Technologies and Impact on Traffic Flow. **IEEE International Conference on Sensing, Measurement & Data Analytics in the Era of Artificial Intelligence.**
- [T8] Yue, X., **Li, Z.**, Zhou, Y., & Zhang, Y. (2023). Markov-based Analytical Approximation for Mixed Traffic Delay for Signalized Intersection. **IEEE 26th International Conference on Intelligent Transportation Systems (ITSC).**
- [T7] **Li, Z.**, Ma, C., Wei, Z., & Zhang, Y. (2023). Integrating Attention Mechanism for Predicting Crash-Related Traffic Violations with Textual Description. **Transportation Research Board (TRB) 102nd Annual Meeting.**
- [T6] **Li, Z.**, Ma, C., Zhang, Y., & Wang, X. (2023). Performance Evaluation of Deploying a Reinforcement Learning-Based Adaptive Signal Control on Road Network Under Different Penetration Rates. **Transportation Research Board (TRB) 102nd Annual Meeting.**
- [T5] Wei, Z., Das, S., Wu, Y., **Li, Z.**, & Zhang, Y. (2023). Investigating the exposure-lag-response association of hourly weather and speed variation factors on rural freeway crash risk: A space-time-stratified case-crossover study. **Transportation Research Board (TRB) 102nd Annual Meeting.**
- [T4] Kong, X., Wallis, J., **Li, Z.**, Zhang, Y., & Wu, L. (2022). Will They Still Be Willing to Ride with Others? Analysis of Personal Perception on Carpool at Post-COVID-19 Era. **Transportation Research Board (TRB) 101st Annual Meeting.**
- [T3] Ma, C., Wang, X., **Li, Z.**, & Zhang, Y. (2022). An Adaptive Network Signal Controller with Reinforcement Learning under Varying Traffic. **Transportation Research Board (TRB) 101st Annual Meeting.**
- [T2] Kong, X., **Li, Z.**, Wallis, J., & Zhang, Y. (2022). Investigating Factors Influencing Deck Conditions of Concrete Bridge and Steel Bridge Using an Interpretable Machine Learning Framework. **Transportation Research Board (TRB) 101st Annual Meeting.**
- [T1] **Li, Z.**, Zhou, Y., **Li, Z.**, Zhou, W., & Zhong, M. (2020). Impact analysis of new metro line opening on passenger flow: A case study of Shenzhen. **2019 8th International Conference on Transportation and Traffic Engineering (ICTTE 2019).**

COMPETITION AWARDS

- [C6] Southeast Annual Symposium on Freight and Mobility, Outstanding Poster Presentation Award, First Place, **Corresponding Author**, *CyPortQA: Benchmarking MLLMs for Cyclone Preparedness in Port Operation.* 2026
- [C5] UTC FERSC Research Poster Competition, First Place, **First Author**, *Enhancing Port Resilience to Incoming Tropical Cyclones: Estimating Impact Ranking with Recommendation Algorithm.* 2024
- [C4] TexITE Student Paper Award, Third Place, **Student Mentor**, *Innovative Logit-Inspired Distribution for Modeling Headway of Heterogeneous Traffic Flow.* 2024
- [C3] FHWA Excellence in Highway Safety Data Award, First Place, **Co-Leader**, *Equitable Traffic Crash Prediction Framework to Support Safety Improvement Grants Allocation.* 2023
- [C2] ITE Vision Zero Sandbox Design Competition, First Place, **Lead in Methodology**, *Countermeasure Selection Using Near-Miss Data to Support Vision Zero in Bellevue.* 2021
- [C1] ASA Joint Statistical Meetings Honorable Mention Paper, **Lead in Methodology**, *Discovering Reasons and Patterns for Bridges with Fast Deteriorating Deck Conditions.* 2021

STUDENTS MENTORED AND CO-ADVISED

Students mentored in collaboration with faculty supervisors.

Ph.D. Students

- Chenchen Kuai, Ph.D. Student, CVEN, Texas A&M University 2024–present
- Pedro Romero Santiago, Ph.D. Student, CVEN, Texas A&M University 2025–2026
- Hao Zhang, Ph.D. Student, CVEN, Texas A&M University 2023–2026

4. Ximin Yue, Ph.D. Student, CVEN, Texas A&M University 2022–2026

Master's Students

7. Jake Allision, Master's Student, CVEN, Texas A&M University 2023–2024
8. Rony Trochez, Master's Student, CVEN, Texas A&M University 2022–2024
9. Kelvin Wang, Master's Student, CSCE, Texas A&M University 2021–2022
10. Anantha Sai Sreelekha Gudimella, Master's Student, CVEN, Texas A&M University 2021–2022
11. Yue Wu, Master's Student, CVEN, Texas A&M University 2021–2022

Undergraduate Students

12. Kinsley Reid, Undergraduate Student, CVEN, Texas A&M University
13. Andrea Valls, Undergraduate Student, CVEN, Texas A&M University Spring 2026
14. Braden Rosen, Undergraduate Student, ETID, Texas A&M University Spring 2026
15. Alex Burris, Undergraduate Student, CSCE, Texas A&M University Summer 2025
16. Brady Foster, Undergraduate Student, CVEN, Texas A&M University Summer 2025

INDUSTRY EXPERIENCE

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- Data Analyst Intern, DIDI Chuxing (China's largest ride-hailing company), Beijing, China 01/2019–03/2019
- R&D Intern, BMW Brilliance Automotive, Shenyang, China 01/2017–05/2017

SYNERGISTIC ACTIVITIES

University Service

- Member, Data and AI Committee, Marquette University 2026–Present

Editorship

- Early Career Editorial Advisory Board, *Safety Emergency Sciences* 2025–Present

Academic Service

- TRB Standing Committee on Artificial Intelligence and Advanced Computing Applications (AED50) 2023–2025
- TRB Subcommittee on Traffic Flow Modeling of Connected and Automated Transportation Systems, Traffic Flow Theory and Characteristics Committee (ACP50-3) 2024–2025

Journal Reviewer

- *Transportation Research Part B: Methodological*
- *Transportation Research Part C: Emerging Technologies*
- *Transportation Research Part E: Logistics and Transportation Review*
- *IEEE Transactions on Intelligent Transportation Systems*
- *IEEE Transactions on Intelligent Vehicles*
- *IEEE Transactions on Dependable and Secure Computing*
- *IEEE Transactions on Vehicular Technology*
- *IEEE Internet of Things Journal*
- *Accident Analysis & Prevention*
- *Travel Behaviour and Society*
- *Transportmetrica A: Transport Science*
- *Transportmetrica B: Transport Dynamics*
- *Transportation Research Record*
- *Reliability Engineering & System Safety*
- *Engineering Applications of Artificial Intelligence*
- *Neurocomputing*
- *Information Fusion*
- *Multimodal Transportation*
- *ASCE Journal of Infrastructure Systems*

- *Progress in Disaster Science*
- *Infrastructures*
- *Scientific Reports*
- *Innovations in Systems and Software Engineering*
- *PLoS ONE*
- *Safety Emergency Sciences*

Conference Reviewer

- Transportation Research Board Annual Meeting (TRBAM)
- IEEE Intelligent Transportation Systems Conference (IEEE ITSC)
- IEEE Forum on Integrated and Sustainable Transportation Systems (FISTS)
- IFAC Symposium on Control in Transportation Systems (CTS)

Membership

- Institute of Electrical and Electronics Engineers (IEEE)
 - IEEE Intelligent Transportation Systems Society (ITSS)