

TOM ZHANG

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PROFESSIONAL EXPERIENCE

Life Expectancy Project	San Francisco, CA
<i>Senior Researcher</i>	2026–Present
<i>Researcher</i>	2023–2026
<ul style="list-style-type: none">• Lead author on an updated analysis of cerebral palsy survival through 2019 (Zhang et al. 2026, <i>Developmental Medicine & Child Neurology</i>).• Active research on actuarial super- and subadditivity of medical conditions, and on the effects of epilepsy and ambulation status on survival in cerebral palsy.• Routine analytical work includes mortality rate derivation from life tables; Poisson and logistic regression; life-expectancy estimation via integration of survival curves; Kaplan-Meier and Aalen-Johansen multi-state survival models; non-parametric bootstrapping; excess death rate calculation from SEER cancer data; and jurisdiction-specific discount rate calculations.• Subject-matter areas include neurological injury and disease, oncology, cardiometabolic and renal disease, and psychiatric and substance use disorders. Custom analyses have drawn on national registry data including OPTN and SEER.	
Graduate Research Assistant , Dr. Zhongzhou Chen, University of Central Florida	2019–2022
Research Assistant , Drs. Sheyum Syed and Mason Klein, University of Miami	2017–2019

SELECTED PUBLICATIONS

- Zhang T, Brooks JC, Shavelle RM, Strauss DJ. Life expectancy in cerebral palsy: Has the improvement continued? *Developmental Medicine & Child Neurology* 2026;68(1):142–143.
- Chen Z, Zhang T, Taub M. How does a data-informed deliberate change in learning design impact students' self-regulated learning tactics? *Journal of Learning Analytics* 2024;11(2):174–196.
- Berne A, Zhang T, Shomar J, et al. Mechanical vibration patterns elicit behavioral transitions and habituation in crawling *Drosophila* larvae. *Elife*. 2023;12:e69205.
- Zhang T, Taub M, Chen Z. A multi-level trace clustering analysis scheme for measuring students' self-regulated learning behavior in a mastery-based online learning environment. *LAK22: 12th International Learning Analytics and Knowledge Conference*. ACM; 2022:197–207.
- Zhang T, Taub M, Chen Z. Measuring the impact of COVID-19 induced campus closure on student self-regulated learning in physics online learning modules. *LAK21: 11th International Learning Analytics and Knowledge Conference*. ACM; 2021:110–120.

EDUCATION

University of Central Florida	2019–2022
<i>M.S., Physics</i>	
University of Miami	2013–2017
<i>B.M., Cello Performance • Additional Major: Physics</i>	