NOAH SCHNEIDER

Specialized Professional Competence

Injury biomechanics including impact analysis, risk of injury, and mechanism of injury. Computer simulation and analysis of vehicle dynamics. Failure analysis of static and dynamic mechanical systems. Kinematic analysis. Accident reconstruction. Data acquisition and analysis.

Background and Professional Honors

B.S. (Biomedical – Mechanical Engineering), University of Southern California - USC

Engineer,
Talas Engineering, Inc.
Research Assistant,
Biomechanics Injury Research Laboratory, USC Keck School of Medicine
Hardware Integration Engineer,
NeuroDetect
Research Assistant,
Army Research Laboratory

Professional Activities & Memberships

Member, American Society of Mechanical Engineers
Member, National Society of Black Engineers
Member, Society of Automotive Engineers

Awards

USC Viterbi School of Engineering Dean's List

Selected Publications and Presentations

"Slopes, Spirals, and Splashes: Rider Biomechanics on Three Common Recreational Water Slides and Rides," 10th World Congress of Biomechanics, Vancouver, Canada, July 2026 (with E. Bliven and E. Serina).

"A Biomechanical Investigation of Strike Kinematics in the Filipino Martial Art of Arnis: Use of Segmental Timing and Proximal-to-Distal Energy and Momentum Transfer to Generate Powerful Stick

Strikes," 10th World Congress of Biomechanics, Vancouver, Canada, July 2026 (with E. Serina, E. Mockensturm, and E. Chiang).