

CHRISTIAN B. SINNOTT – SHORT CURRICULUM VITA

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RESEARCH INTERESTS

Self-motion perception, joint head- and eye-tracking, natural scene statistics, vision science, computational modeling, psychophysics, multisensory perception

EDUCATION

- University of Nevada, Reno** 2023
Ph.D., Psychology, Cognitive and Brain Sciences
Dissertation: A quantitative investigation of natural head movement and its contribution to spatial orientation perception.
- University of Nevada, Reno** 2022
M.S., Psychology, Cognitive and Brain Sciences
Thesis: Underwater virtual reality system for neutral buoyancy training: Development and evaluation.
- Oregon State University** 2016
M.A., Interdisciplinary Studies
- Oregon State University** 2014
B.A., Psychology

PROFESSIONAL APPOINTMENTS

- T32 Postdoctoral Research Fellow 2023-Present
Smith-Kettlewell Eye Research Institute
- Graduate Teaching/Research Assistant 2017-2023
University of Nevada, Reno
- Graduate Teaching/Research Assistant 2014-2016
Oregon State University

PEER-REVIEWED MANUSCRIPTS

Greene, M. R., Balas, B. J., Lescroart, M. L., ... **Sinnott, C. B.**, ... Weissman, E. (in review). The Visual Experience Dataset: Over 200 recorded hours of integrated eye movement, odometry, and egocentric video. *Submitted to the Journal of Vision*.

Sinnott, C. B., Hausamann, P. A. & MacNeilage, P. R. (2023). Natural statistics of human head orientation constrain models of vestibular processing. *Scientific Reports*, 13 (5882), 1-12.

Shankar, B., **Sinnott, C. B.**, Binaee, K., Lescroart, M. D. & MacNeilage, P. R. (2021). Ergonomic design development of the Visual Experience Database headset. *Proceedings of the ACM Symposium on Eye Tracking Research and Applications ActivEye Workshop*, 14, 1-4

Sinnott, C. B.*, Ramanujam, S.*†, Shankar, B., Halow, S. J., Szekely, B., Binaee, K., & MacNeilage, P. R. (2021). VEDBViz: The Visual Experience Database visualization and interaction tool. *Proceedings of the ACM Symposium on Eye Tracking Research and Applications ActivEye Workshop, 14*, 1-4

Binaee, K., **Sinnott, C. B.**, Capurro, K. J. †, MacNeilage, P. R. & Lescroart, M. D. (2021). Pupil tracking under direct sunlight. *Proceedings of the ACM Symposium on Eye Tracking Research and Applications ActivEye Workshop, 14*, 1-4

Hausamann, P. A., **Sinnott, C. B.**, Daumer, M. & MacNeilage, P. R. (2021). Evaluation of the Intel RealSense T265 for tracking natural human head motion. *Scientific Reports, 11* (12486), 1-12.

Hausamann, P. A., **Sinnott, C. B.** & MacNeilage, P. R. (2020). Positional head-eye tracking outside the lab: An open-source solution. *Proceedings of the 12th ACM Symposium on Eye Tracking Research and Applications, 14*. 1-5

Sinnott, C. B., Liu, J., Matera, C., Halow, S., Jones, A. E., Moroz, M., Mulligan, J., Crognale, M. A., Folmer, E. & MacNeilage, P. R. (2019). Underwater virtual reality system for neutral buoyancy training: Development and evaluation. *Proceedings of the 25th ACM Symposium on Virtual Reality Software and Technology, 29*, 1-9.

(* after author name indicates both authors contributed equally to work.)

(† after author name indicates undergraduate student author.)

INVITED TALKS

Noise exposure and noise-induced hearing loss predicts visual dependence in the rod-and-frame task. *The 22nd International Multisensory Research Forum, June 2024*

Characterization of head orientation and heading during everyday activity: Implications for modeling. *31st Annual Meeting of the Society for the Neural Control of Movement, July 2022.*

Characterization of head orientation and heading during everyday activity: Implications for modeling. *The 20th International Multisensory Research Forum, July 2022.*

VEDBViz: The Visual Experience Database visualization and interaction tool. *ActivEye Workshop. May 2021.*

Mobile gaze tracking and the Visual Experience Database. *Smith-Kettlewell Eye Research Institute. March 2020.*

AWARDS

Vision Science Society Travel Award May 2024

Center for Visual Science Symposium Travel Fellowship, *University of Rochester* May 2022

Graduate Dean's Merit Scholarship, *University of Nevada, Reno* Oct. 2020

Graduate Dean's Merit Scholarship, *University of Nevada, Reno* Oct. 2017

Graduate Teaching/Research Assistantship, <i>University of Nevada, Reno</i>	Aug. 2017 - Present
Graduate Teaching Assistantship, <i>Oregon State University</i>	Sep. 2014 - June 2016
Undergraduate Research Fellow, <i>Oregon State University</i>	May 2013
Dean's List, <i>Oregon State University</i>	Sep. 2013 - Dec. 2013
Pell Grant, <i>Oregon State University</i>	Sep. 2009 - June 2014
Oregon Opportunity Grant, <i>Oregon State University</i>	Sep. 2009 - June 2014