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Wonjae Lee is a Postdoctoral Fellow in the Department of Physics at Harvard University, where she is a member of the Norman Yao group. She will join the Department of Physics at Syracuse University as an Assistant Professor in January 2027. Her research focuses on quantum sensing and quantum simulation of many-body systems, with an emphasis on experimental platforms based on optically active spin defects in two-dimensional materials and alkali-vapor systems. Her current work investigates negatively charged boron vacancies in hexagonal boron nitride as a platform for nanoscale quantum sensing and strongly interacting spin systems.

She received her Ph.D. in Physics from Princeton University in 2022 under the supervision of Michael V. Romalis, where she developed ultra-high-sensitivity atomic magnetometers capable of operating in unshielded environments. She earned her B.A. in Physics, *summa cum laude*, from Amherst College in 2016, working with David S. Hall on synthetic gauge fields and topological spin textures in Bose–Einstein condensates.