Stephen Grady Completes Degree

Stephen Grady successfully defended his doctoral dissertation on July 21st, 2022. Titled “Efficient Network Domination for Life Science Applications,” Stephen’s work focused on developing new algorithms and applications for the well-known dominating set problem from graph theory. His widely diverse accomplishments include highly efficient procedures for biological network controllability, innovative techniques for the prioritization of experiments in statistical genetics, and novel methods for the reduction of multicollinearity in exceedingly heterogeneous public health data. Stephen’s doctoral committee consisted of Dr. Michael Langston (dissertation advisor and chair), Dr. Faisal Abu-Khzam, Dr. David Icove, and Dr. Tian Hong.

Stephen joined the Langston Lab in 2015 through the Genome Science and Technology program. He worked as both a graduate teaching assistant and a graduate research assistant during his career at the University of Tennessee. He also collaborated with a variety of prominent scientists including Dr. Elissa Chesler at the Jackson Laboratory, Dr. Paul Juarez at Meharry Medical College, Dr. Darryl Hood at Ohio State University, and Drs. Emily Harville and Maeve Wallace at Tulane University.

Stephen will now assume the role of postdoctoral researcher under contract with the Langston Lab. There he will focus on tools that can help unravel the foundational role that the environment can play in maternal health.