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After graduating with a BS in Computational Biology (CMU MCS'02), Rumi worked at Intel Corporation in pre-silicon validation teams in both Portland, OR and Hudson, MA where he specialized in writing machine checked formal proofs of correctness of control and datapath circuits from Pentium 4s (130nm and later) and several server processors. Rumi's PhD work (CMU SCS'13; Dr. Robert F. Murphy) focused on problems in the automation of biological research, spanning from machine learning method development in active learning, to laboratory automation of mammalian cell culture and microscopy. As a Lane Fellow in the Computational Biology Department at CMU, his research interests focused primarily on problems in cell biology: understanding how the cell organizes and maintains cytoplasmic structures and in developing machine learning techniques for describing these. Since joining Sanofi Pasteur in 2016, he has held several strategic positions towards developing the future of vaccine R&D. To do this, he is relying heavily on the automation of biological research through machine learning, focusing at first on the development of next-generation flu vaccines, and is now working across Sanofi Pasteur's R&D portfolio to support & accelerate their vision of a world where nobody dies or suffers from a vaccine preventable illness. Rumi's passion is to enable diverse teams to attack complex scientific, healthcare, and social problems through the lens of the economics of success.