Jacob Putnam is a research aerospace engineer within the structural dynamics branch at NASA Langley Research Center. He joined the structural dynamics branch in 2018 and is responsible for finite element analysis of vehicle impact dynamics with a focus on the prediction of occupant injury risk. Jacob's primary focus areas include developing technologies to improve aerospace crashworthiness capability and certification of occupant protection requirements for NASA's spacecraft. Jacob received his M.S. in biomedical engineering and B.S. in engineering science and mechanics from Virginia tech.