We discuss the second moment for the GL(3) standard L-functions on the critical line, which is a joint work with Agniva Dasgupta and Matthew Young. If the L-function is specialized as the cube of the zeta function, this is the sixth moment of the zeta function. This work is inspired by the short second moment result achieved by Aggarwal, Leung, and Munshi. We will discuss the key ideas of the proof, its applications, and the comparison between these two works.