The field of exoplanets is exploding, with new discoveries happening on an almost daily basis. The task now at hand is to determine if any of these new worlds are habitable. I will discuss the Virtual Planetary Laboratory’s effort to characterize exoplanets and explore how changes in the orbital environment of the planet—such as dramatically altering its tilt—can increase the range of habitability. These “tilt-a-worlds” represent new potential abodes for life in the Universe.