Forearm

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In the realm of robotics, the replication of human anatomy has fueled a wave of innovation that pushes the boundaries of mechanical functionality. This paper delves into the intricate task of designing a mechanical forearm for a full human robot project, where the complexity of human arm mechanics serves as a foundation for engineering exploration. By closely mimicking the biomechanics of the human forearm, we embark on a journey to recreate the intricate movements and versatility that define human interaction. Through meticulous analysis and inventive engineering, we navigate the juncture of anatomical insight and technological progress, charting a course toward a future where machines mirror the grace and utility of their biological counterparts.

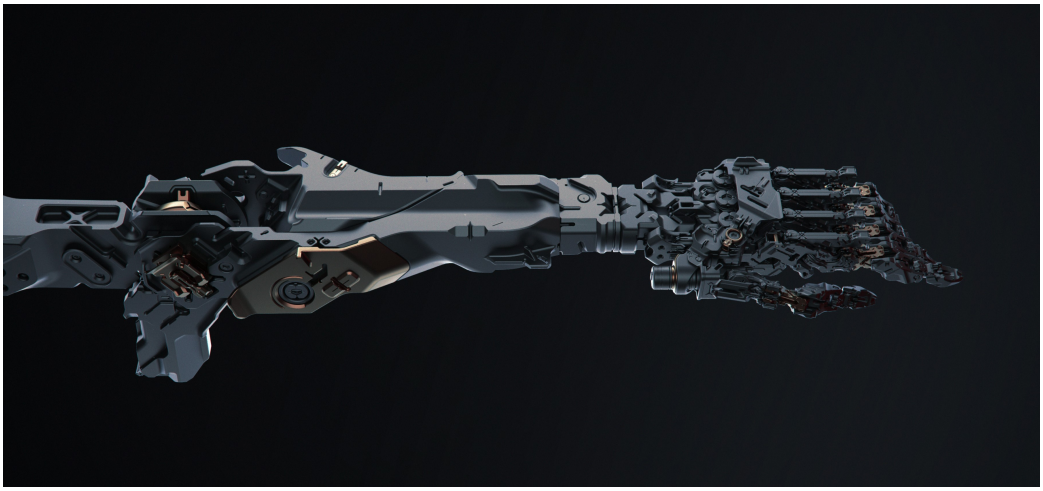

Figure 1: Mech arm concept by IFF `www.artstation.com/iif`