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Little HERMES, “combines the strength and resilience of a robot with the knowledge and adaptability of a human.” We have built a series of legged robots for experiments on active balance in dynamic legged locomotion. Taken collectively, these robots have traversed simple paths, run with several different gaits (hop, run, trot, pace, bound), run fast (13 mph), jumped over obstacles, controlled step length, climbed a simplified stairway, walked over ramps, and performed rudimentary gymnastic maneuvers. [ROBOTS OF THE FUTURE! ARTIFICIAL INTELLIGENCE 2018](#)

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