



Naoki Yokoyama

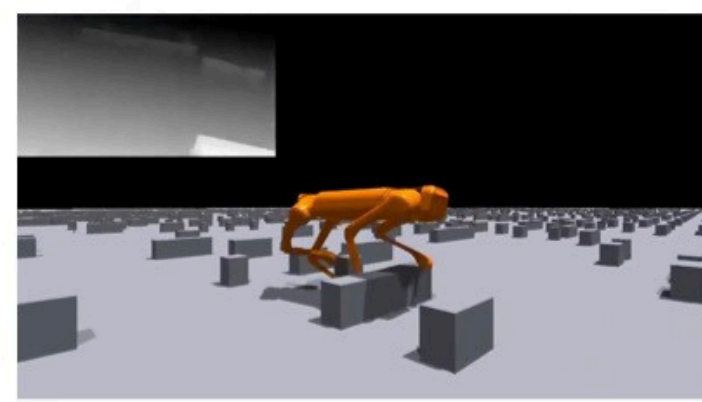
Ph.D. Student, Robotics in Electrical and Computer Engineering Second Year ARCS Scholar ARCS Century Award

Georgia Tech

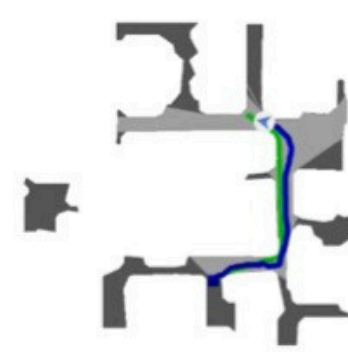
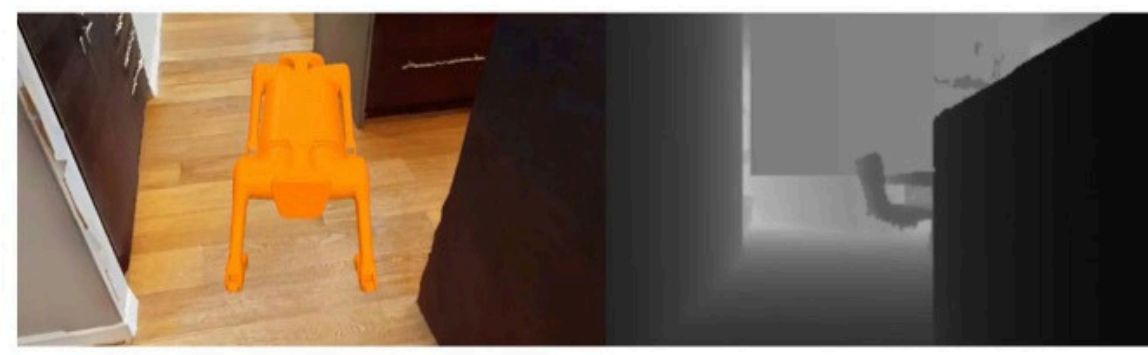


Leveraging rapid photorealistic simulation for robot learning

Legged navigation in cluttered environments



Learn visual locomotion and navigation separately using deep reinforcement learning

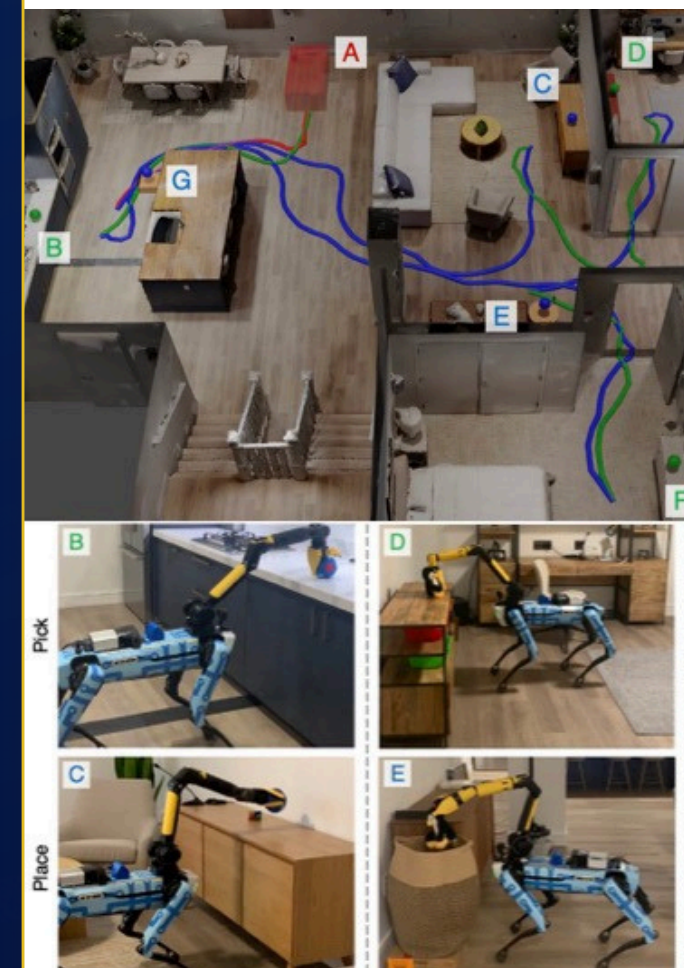
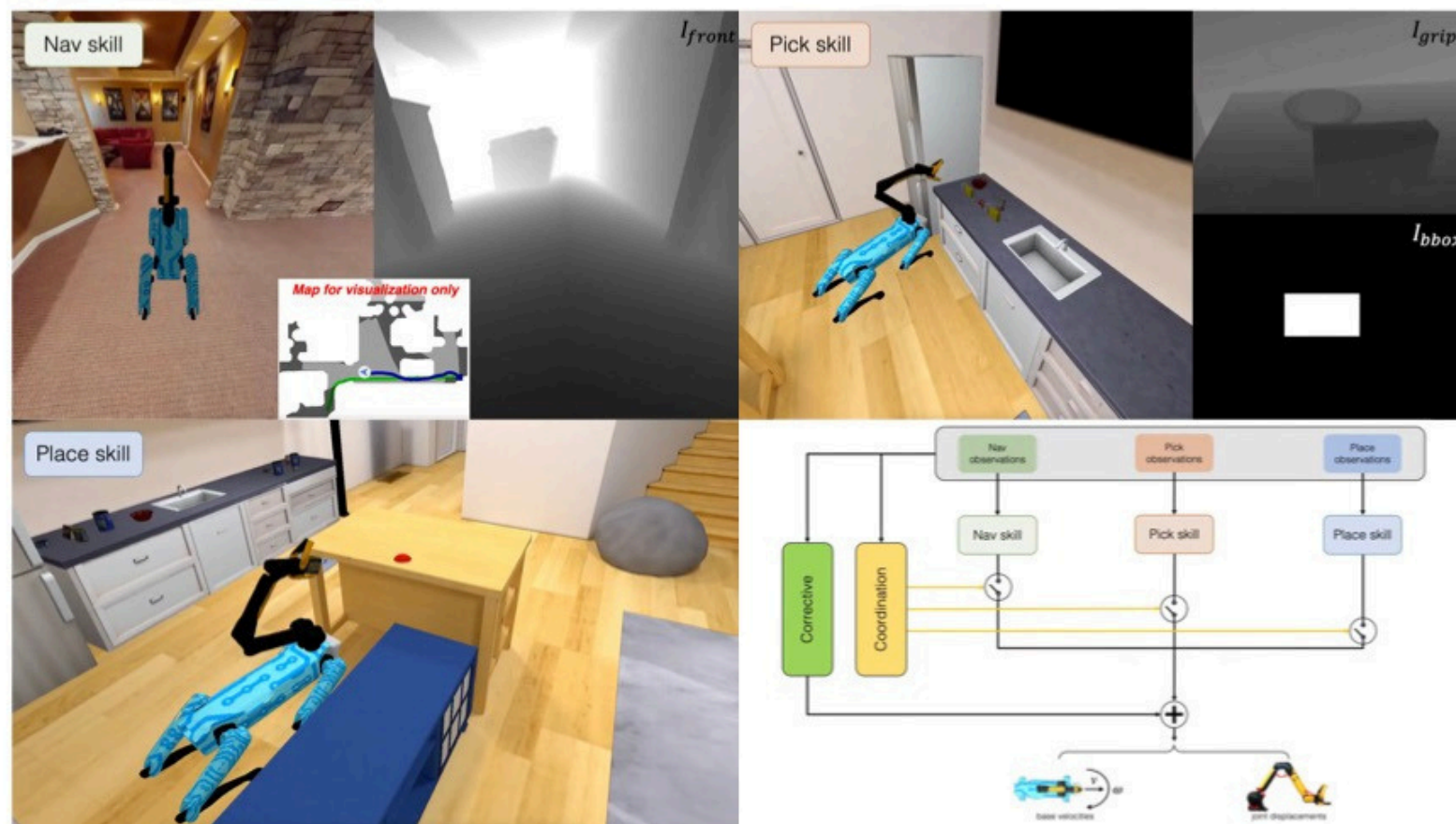


Legged navigation in cluttered environments



Couple the two together to navigate cluttered environments

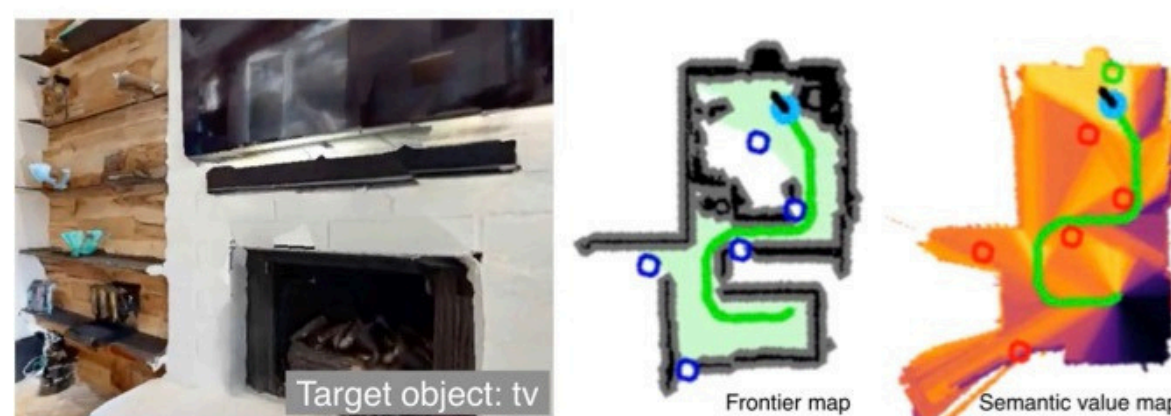
Sim-to-real mobile manipulation



Real world deployment



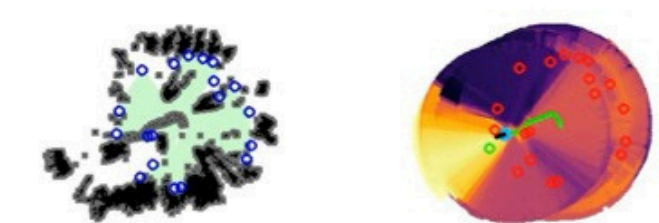
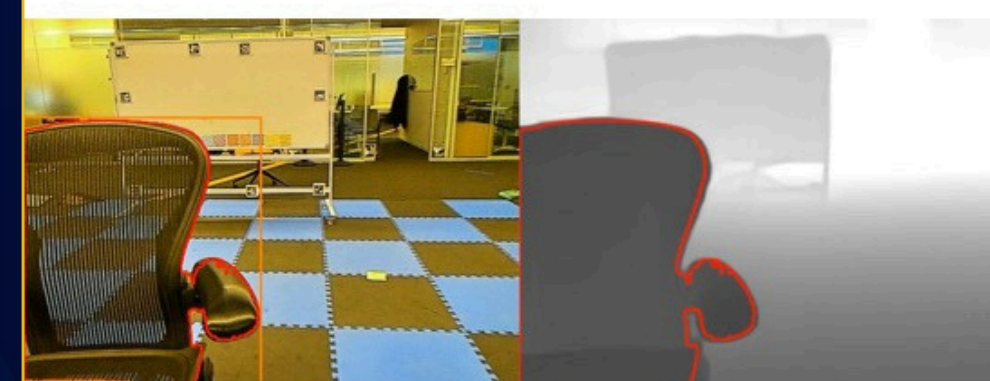
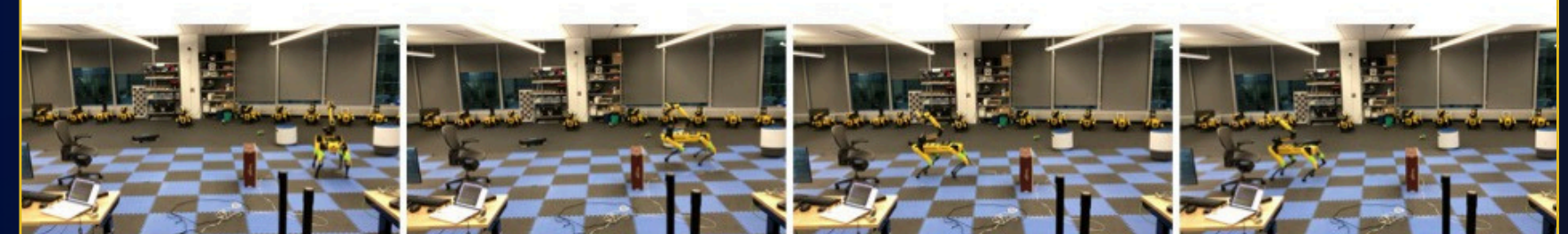
Zero-shot semantic navigation



How can we get robots to search for objects like humans do?

State-of-the-art results amongst simulation benchmarks

Real world deployment



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Scholar Awards Celebration
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Igniting
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