Robots learning their behaviors
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In order for service robots to be used for numerous healthcare applications, they need to be able to learn their appropriate behaviors for each particular application and facility. In this project we will develop a learning system for a robot to learn behaviors for healthcare application scenarios. This system will improve the acceptance, adaptability, and ease of use of such systems for healthcare professionals and their patients. Students involved in this project will gain experience in applying machine learning algorithms and sensor-fusion techniques to robotic problems as well as learn to design for human-robot interaction scenarios.

Recommended background: C++ programming