

UM::Autonomy is an award-winning undergraduate student project team from the University of Michigan. Each year we build an autonomous boat to participate in the AUVSI Foundation RoboBoat competition. The boat is completely designed and programmed by students and must complete a wide range of challenges that are designed to test its autonomous abilities.

We aim to further the study of autonomous robotics at the University of Michigan by providing students with hands-on multidisciplinary design experience in artificial intelligence, image processing, navigation, naval architecture, and mechanical design. Each year we strive to push the physical and conceptual bounds of our autonomous vehicle.