

The Autonomous Underwater Vehicle of the University of Arizona (AUVUA) was formed in the Fall of 2012 as a College of Engineering Senior Design project. A group of six seniors successfully designed, presented, and competed with their first autonomous underwater vehicle, the 'CATfish'.

Today, AUVUA is a 'Design, Build, Compete' student organization that is officially recognized by both University of Arizona student government and the UofA College of Engineering. Every two years, the club members make a submarine-like robot from scratch, going through the entire process of planning using Solidworks and build it using university machinery and equipment and materials generously given by corporate sponsors. This robot then enters in 'RoboSub', an annual autonomous underwater robot competition held in the beautiful city of San Diego, CA. The competition revolves around modern-day problems involving computer vision, artificial intelligence, robust data acquisition, among other things, and requires the home-brewed robot to complete a series of tasks, each worth a specific number of points, with the goal of achieving more points than other robot competitors.

AUVUA is also dedicated to the development of STEM in Southern Arizona by participating and organizing various outreach events for a wide variety of communities to participate, the most recent being Outreach for Autistic Children event, which was completed on Saturday, November 4th, 2017.

AUVUA would like to thank Intel, PNI Corp., the Carl Hayden Robotics Team, and Advanced Circuits for their generous donations during the team's inaugural year and our current sponsors Dassault Systèmes, GitHub, Advanced Circuits.