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Dr. Chelsea Sabo has over 12 years of research experience in the development and application of “intelligent” techniques for the safe and effective control of autonomous Unmanned Air Vehicles (UAVs), as well as robots in general.

She is currently a Staff Software Engineer for the Autonomous Systems group in Lockheed Martin’s Missiles and Fire Control (MFC) business, where she leads business development and technical solutions for mission planning and execution, collaborative systems, efficient guidance, navigation, and control, and other areas where robust autonomy is needed.

Previously, Chelsea was a Robotics Research Fellow at the University of Sheffield focusing on embodiment of animal behavior and development of biomimetic algorithms for navigation and control of small UAVs and ground robots.

She completed her education with a Ph.D. and M.S. in Aerospace Engineering at the University of Cincinnati in collaboration with the USA Air Force Research Lab and won multiple awards for her research into small UAV mission planning around communication restrictions. Chelsea is an active leader in the professional community and extensively involved in STEM outreach, public engagement, and engineering education.