

Devin Witt

Location:

Ann Arbor, Michigan

Education:

The University of Michigan – College of Engineering
B.S.E. Naval Architecture and Marine Engineering

SNAME Section:

Great Lakes Great Rivers Section

SNAME Positions:

Local Student Section Steward
Local Student Section Rear Commodore
Student Section Standards Chairman

Devin Witt was raised in Oakley, Michigan. His love for the water was instilled early in his life through fishing, canoeing, and recreational boating throughout the lakes and rivers of Michigan. Growing up Devin's parents owned a 21 foot power boat which started his love for boating and how marine vessels moved through the water. As a kid, he was always fascinated by the great lakes freighters that could stay afloat when filled with hundreds of tons of iron ore and it sparked an interest to learn more about ship design. Upon graduation from high school, Devin was accepted to The University of Michigan to study Naval Architecture and Marine Engineering (NA&ME).

While attending The University of Michigan, Devin has become very active in both the NA&ME department and the university itself. As a freshman, he joined the student group UM::Autonomy which designs, builds, and competes with an autonomous surface vehicle. After one year of being a member on the team, he was nominated as the hull-systems team leader for two consecutive years wherein he was responsible of the design and construction of the surface vehicle. In his first year as a team leader, the UM::Autonomy team went on to win the 3rd Annual International RoboBoat Competition held in Virginia Beach, Virginia. Devin has stayed very active with the team and still consults with the younger members when problems arise with new designs.

Devin is also active with his local student section of SNAME. He has been elected both Steward, during his sophomore year of school, and Rear Commodore, during his junior year of school. During his time as a leader of the local student section, Devin has helped to increase the number of student members within the NA&ME department and he has helped establish a tracking systems for member's attendance and involvement with the local student section. Currently, he is the SNAME Student Steering Committee Student Section Standards chairman who is responsible for maintaining and updating the Student Section Standards guide.

During his undergraduate years, Devin has also conducted research in various fields of NA&ME. Devin first started his undergraduate research by conducting a field study on tsunami impacts on coral reefs. After the coral reef research was completed, he switched his research focus to a Naval

Engineering Education Center (NEEC) project related to energy storage for high energy weapons aboard all-electric ships. The NEEC research was presented at the American Society of Naval Engineers Conference in February of 2012 in which he and his research partner won first place for undergraduate research work.

Devin's current research has always been his passion in naval architecture and marine engineering. He is currently researching propulsion systems with a focus on propeller design and optimization. He is currently working on designing a controllable pitch propeller for electric drive systems in order to reduce cavitation and stresses while increasing propeller performance characteristics.

Upon graduation this coming spring, Devin will be going back to The University of Michigan's Naval Architecture and Marine Engineering department for his graduate degree in which he will be focusing on marine propulsion systems.