



2024
CCIC

COMMUNITY COLLEGE INNOVATION CHALLENGE

Advancing Student Innovation & Impact



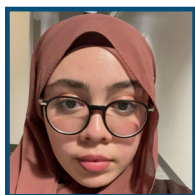
COUNTY COLLEGE OF MORRIS, NJ PROJECT: DOING THE MOST WITH NBD-QC



AIDEN ASCHOFF is a driven student at County College of Morris, where he recently obtained an associate's degree in mechanical engineering technology, along with certificates of achievement in mechanical CAD and advanced mechanical analysis. Currently, Aiden is furthering his education by pursuing another associate's degree in engineering science at the same institution. With a background in the Marine Reserves, Aiden brings discipline and dedication to his academic pursuits. His passion for engineering is only rivaled by his fascination with astronomy, driving his aspirations to contribute to projects in robotics and space exploration within the engineering field. Looking ahead, Aiden plans to pursue a master's degree in mechanical engineering and potentially an advanced degree in astrophysics, driven by his commitment to push the boundaries of technological innovation and explore the mysteries of the cosmos.



MALCOLM HARRISON is a chemistry major at the County College of Morris (CCM), and is an avid contributor to the CCM community. He serves on the student government, as president of two campus clubs, and as a tutor in the math and science center. Malcolm completed a research internship at the Stevens Institute of Technology in the summer of 2023, where he gained experience using computer simulations to investigate molecular mechanisms of proteins, and inspired a passion to translate what he learns through coursework to real-world applications. Now, he works as a computational biophysics intern at AxBio. He uses the computational methods he learned through his research experience in an industrial setting, inspiring him to pursue a BS in chemical engineering. Malcolm looks forward to representing the CCM community and taking what he has learned outside the classroom at the Community College Innovation Challenge.



ELAF MAHMOUD is pursuing double AS degrees in engineering science and mechanical technology at County College of Morris. She completed an internship at MAC Products in her first year, which inspired her to continue working in the manufacturing and power distribution industry in the future. Passionate about her role in her community, Elaf is the president of two campus clubs, a part of student government, and has more than 100 volunteering hours. For the summer of 2024, Elaf is working as a research intern at New Jersey Institute of Technology to design and build a device to be used as a complement to their state-of-the-art Fabry-Perot interferometer that measures upper atmosphere winds and temperatures. Elaf enjoys problem solving and taking on new challenges such as the Community College Innovation Challenge and looks forward to representing County College of Morris.



CHUNG WONG (Team Mentor) moved to the United States when he was 11 years old. Since then, he accomplished many first's in his family. A first generation college student, he completed his Ph.D. in mathematics at Drexel University, PA, in 2016. Realizing that his passion is in teaching and helping students that have similar experience, he has been teaching at the County College of Morris, NJ, since 2017. It is here that he gets the opportunity to mentor many talented students and inspire them to follow their dreams.