

2025 COMMUNITY COLLEGE INNOVATION CHALLENGE



MIDDLESEX COMMUNITY COLLEGE, MA PROJECT: INSIGHT



KARL HAMPTON is finishing his associate's degree in electrical engineering at Middlesex Community College. During this time, he interned as an engineering technician at Wintriss Controls Group where he built practical experience working closely with manufacturing and electrical engineers. Karl brings a strong blend of technical knowledge, effective communication skills, and a proactive approach to learning, making him a reliable and engaging team member. He is naturally curious and enjoys independently tackling challenges, demonstrated by his role in his team to explore how AI models could integrate with

technological solutions. Karl looks forward to the CCIC Boot Camp to broaden his industry knowledge, foster innovation, and strengthen his entrepreneurial skills. Outside of academics and work, he loves working on cars which has deepened his mechanical understanding and hands-on engineering experience.



CORTNEY SCHULTZ-CORSON is a passionate student currently pursuing an associate's degree in CAD engineering at Middlesex Community College. She has hands-on experience in drafting and 3D modeling using SolidWorks, Revit, and AutoCAD. While interning at Kaestle Boos Associates, she contributed to the redevelopment of her former high school, deepening her interest in architecture and community-focused design. At Closets By Design, she supports project planning by calculating design specifications and material requirements.

Cortney has held leadership roles in student government, served as a freshman representative for the American Institute of Architecture Students, and launched an anti-bullying task force. She remains active in her community through volunteer work with organizations such as the Lexington Food Pantry and the Walk for Hunger. As a participant in the Community College Innovation Challenge, Cortney looks forward to applying her technical skills and creativity to develop meaningful solutions that will improve and enhance everyday life.



CRISTOPHER ALGARRA (Team Mentor) is Chair of the Engineering Department at Middlesex Community College (MCC) where he leads efforts to make technical education more hands-on, inclusive, and career-ready. Born and raised in Venezuela and trained as a mechanical engineer, Cris combines real-world industry experience with a deep commitment to student success. Since joining MCC, he has launched new degree programs in engineering, robotics, and CAD; created stackable microcredentials in high-demand fields; and helped to secure grants to modernize curriculum and expand access. A passionate mentor, Cris supports

students through the NSF-LSAMP program and has guided student teams to national recognition. Whether redesigning programs with industry partners or hosting late-night lab sessions with his students, Cris brings energy, creativity, and purpose to everything he does. His leadership has been recognized by the Greater Lowell Chamber of Commerce and the League for Innovation—and he continues to shape the future of engineering education, one student at a time.