



**Mattson
Macdonald
Young** structural engineers



Charles has volunteered with Engineers Without Borders (EWB) for over 8 years, working on a number of projects in Central and South America. He now serves on the EWB Midwest Regional Steering Committee, helping young engineers make an impact tackling practical problems for communities in need.

Outside of work he enjoys a life spent outdoors. He often is found biking to work and around town or camping and fishing around the Midwest.

Charles Vermace, E.I.T.

Charles joined MMY in 2018 after several years designing heavy industrial and energy generation facilities. Charles brings a diverse background in helping design earth retaining structures, warehouse renovations, heavy industrial facilities, historic renovations for new occupants, pipe bridges, industrial equipment supports, vibration abatement, and recreational facilities.

In 2013 Charles moved to Denmark to continue his education exploring methods in super-light concrete systems, historic renovations, and design of timber structures at the Technical University of Denmark (DTU). Returning to complete graduate school in Minnesota, he mentored students in steel design and structural analysis. He brings the same enthusiasm to projects at MMY, treating each structure as a new challenge to explore.

Education

Master of Science in Civil Engineering – University of Minnesota, Twin Cities, 2016

Bachelor of Civil Engineering – University of Minnesota, Twin Cities, 2014

Registration and Memberships

American Concrete Institute

ASCE - Structural Engineering Institute

Minnesota Structural Engineers Association Young Member Group

Projects and Experience

University of Iowa Steam Power Plant Renovation

Iowa City, Iowa