

Improving Patient Care

Although informal, Dominic Martinez's STEM trajectory began in grade school. He attended a public school in a low- to middle-class neighborhood. Despite it not being structured to tend to the exceptionally bright, Dominic received the attention he needed to improve both learning abilities and character. He began below average in reading and mathematics. By the end of grade school, he was on pace for reading and excelled beyond for mathematics. His STEM journey continued into middle school and high school, where Dominic got a recommendation from a mathematics teacher to formally pursue engineering.

Dominic attended Colorado State University and earned degrees in Mechanical Engineering and Biomedical Engineering with minors in Mathematics and Biomedical Sciences. Today he carries the same ambition for learning and remembers the significance of those who helped along the way.

Dominic works at ConMed, a medical device company whose products mitigate risk in the operating room to improve patient care outcomes globally. The most impactful experience in his career so far was a continuous improvement project for a laparoscopic instrument. Revisions were made to the ergonomics of the device handpiece and he was able to visit the operating room to sit in on a case that utilized the instrument. It was very powerful to observe the device he worked on directly impacting the life of others.

Dominic's philosophy is that like technical skills, soft skills require time and energy. To develop collaborative skills, one must first understand that their actions may have an impact on others. Then they can actively spend time and energy to foster skills in team building. He relies on his soft skills in equal proportion to his technical skills.

Engineers Changing the World



Dominic Martinez
*Mechanical Engineer,
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"'Fail early, fail often.' This quote came from a textbook I read in college for a design course. Much like the design course, we are capable of designing and planning the course of actions in our lives. If we choose not to fail, then we strip ourselves of the opportunity to grow. Prior to understanding this quote, I always opted for the path of least resistance. Now, I understand that with each Failure in life there is opportunity for growth, learning, and overcoming adversity."

