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Mentoring Undergraduate Research Projects in Industrial Mathematics.

In this talk, we will discuss the challenges of mentoring undergraduate students in research projects on problems provided by business and industry. We highlight several different undergraduate research opportunities and student training in computational mathematics at ERAU, including the PIC Math program (Preparing Students for Industrial Careers in Mathematics) projects and ERAU Industrial Math projects. We will discuss getting students involved in these projects and share ideas for successfully designing and mentoring such projects. The outcomes of the projects and lessons learned from these research experiences will be presented. (Received September 25, 2018)