EXPERIENTIAL LEARNING AND APPLYING OR IN HEALTHCARE

AMY COHN, UNIVERSITY OF MICHIGAN
INFORMATS ANNUAL MEETING
OCTOBER, 2019
CHEPS: OUR MISSION

FOSTER LEARNING

Providing experiential learning opportunities for students, faculty, and practitioners from across the campus and beyond

BUILD COMMUNITY

Bringing together teams from across a wide spectrum of disciplines to make an impact by solving complex real-world healthcare problems

INNOVATE HEALTHCARE DELIVERY

Nurturing a vibrant and diverse community of individuals working, learning, and having fun together

CENTER FOR HEALTHCARE ENGINEERING & PATIENT SAFETY
THINGS WE DO REALLY WELL IN ACADEMIA

• Teaching technical content
  • We teach students a tool
  • We have them demonstrate mastery of that tool
THINGS WE DO PRETTY WELL IN ACADEMIA

• Teach our students to
  • Know what tool to use when
  • Synthesis (e.g. senior design/capstone)
  • Communicate with other engineers
THINGS WE DO NOT SO WELL IN ACADEMIA

• Teaching our students:
  • Problem scoping and identification
  • How to deal with uncertainty and ambiguity
  • How to communicate with non-engineers
  • When to settle for a B- instead of striving for an A+
EXPERIENTIAL LEARNING AT CHEPS

• How we do it
• Why it’s helpful to not be for credit
• Why it’s helpful to pay all of our students
EXAMPLE FROM ROGEL CANCER CENTER

Patient scheduling ->
Plebotomoy ->
Pharmacy ->

....
KEY TAKE-AWAYS

• It’s a LOT of work!
  • High start up costs
  • High touch
    • But we can make it easier by developing processes and standards, and building mentorship hierarchies
• It’s incredibly rewarding!!!