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College

Manufacturing the Future: What is Mechatronics?



Finding Jobs in a Changing World

Rapid rise in [automation](#) leaving many under-employed

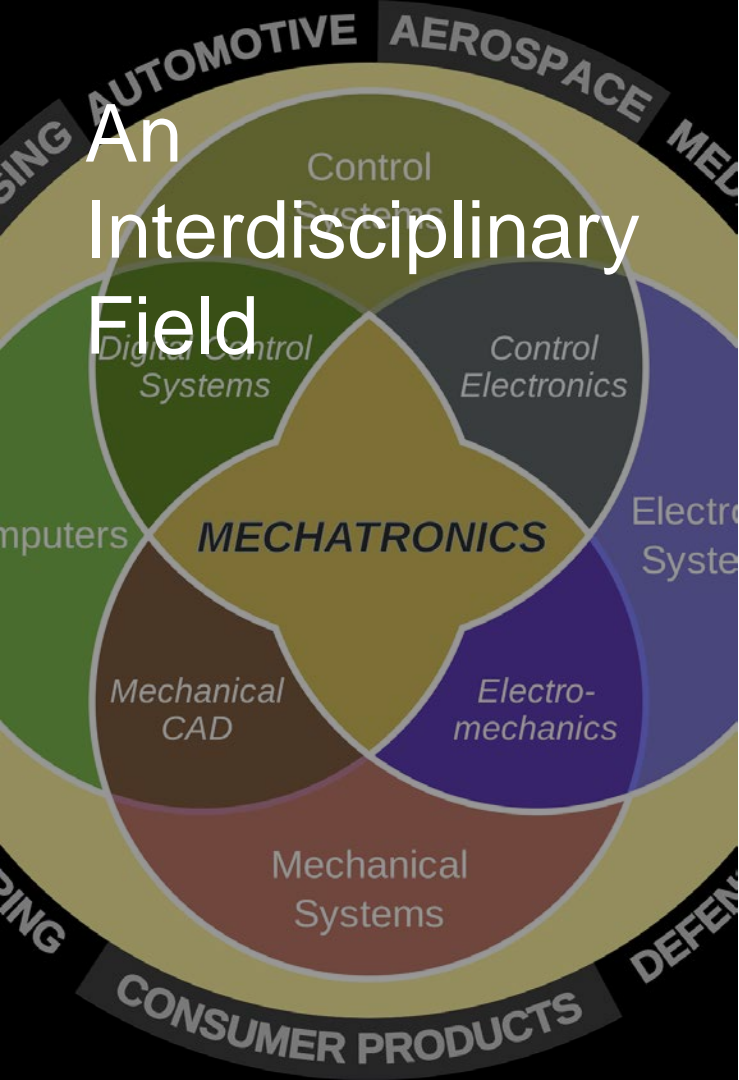
Rise of the gig, on-demand economies

Future expectations of greater automation

Bachelor's degree may not be sufficient

Versatility is key

People that want to work with their hands?



Mechatronics: Any system that involves

Electronics

Mechanics

Computer Control

From ATMs and copy machines to medical lab equipment, automated package handling, ski lifts, water processing facilities, industrial robots, food and beverage manufacturing and more, mechatronics describes the automated systems that are more a part of our lives every day.

Mechatronics at MPC



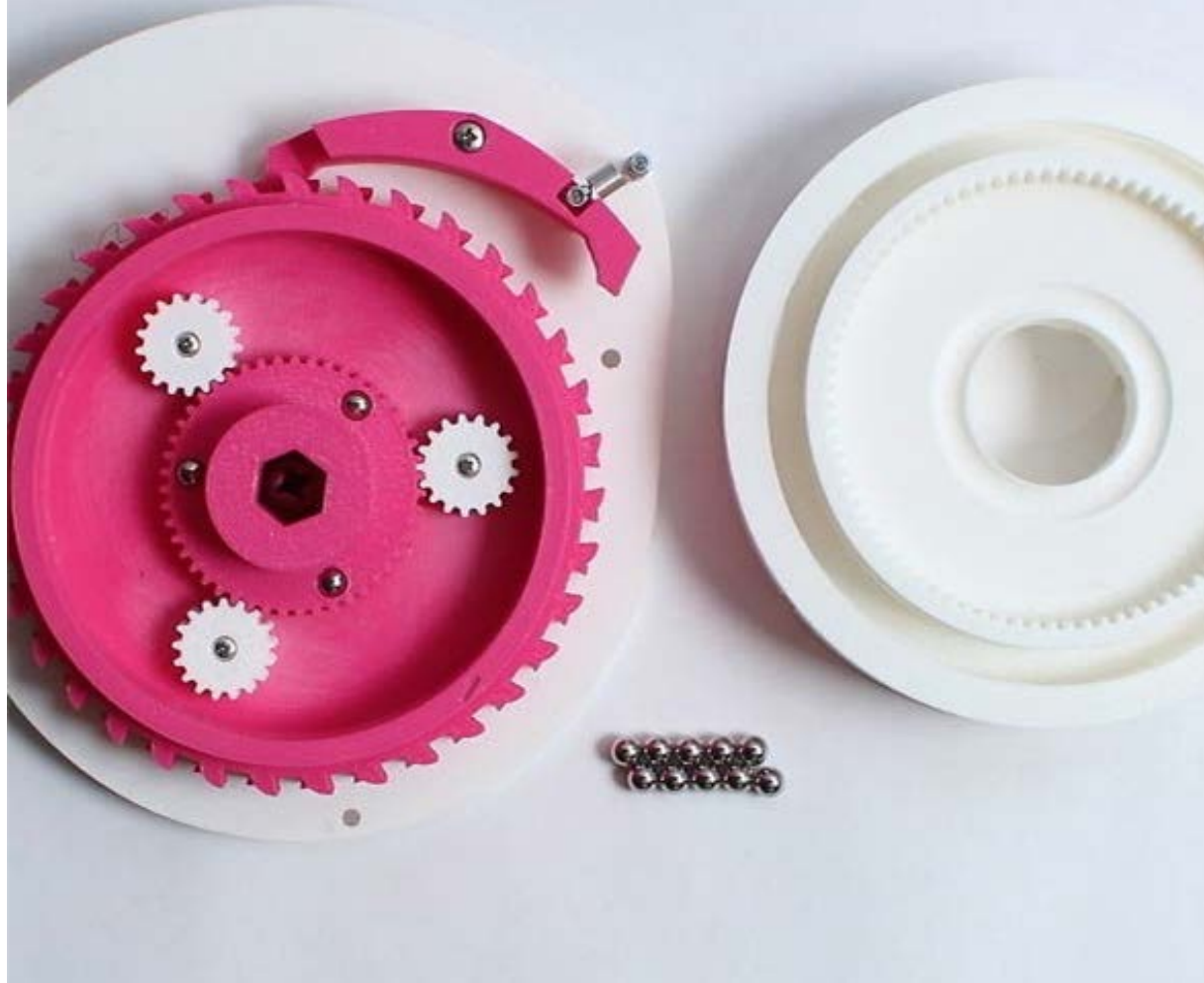
Introduction to Mechanical Systems

Fundamentals of Electronics

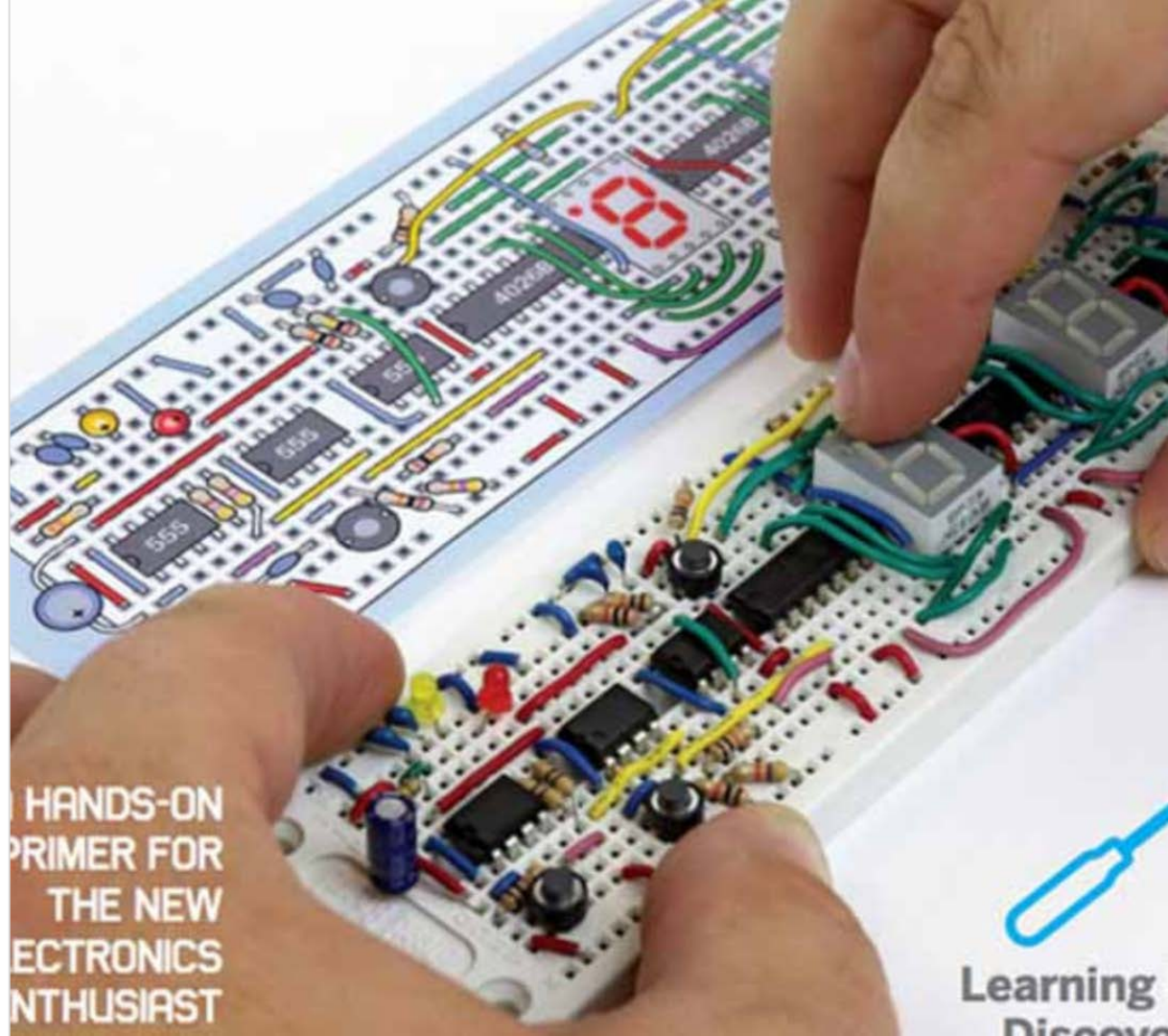
Introduction to Mechanical Design and Fabrication

Electronic Control Systems

Intro to Mechanical Systems

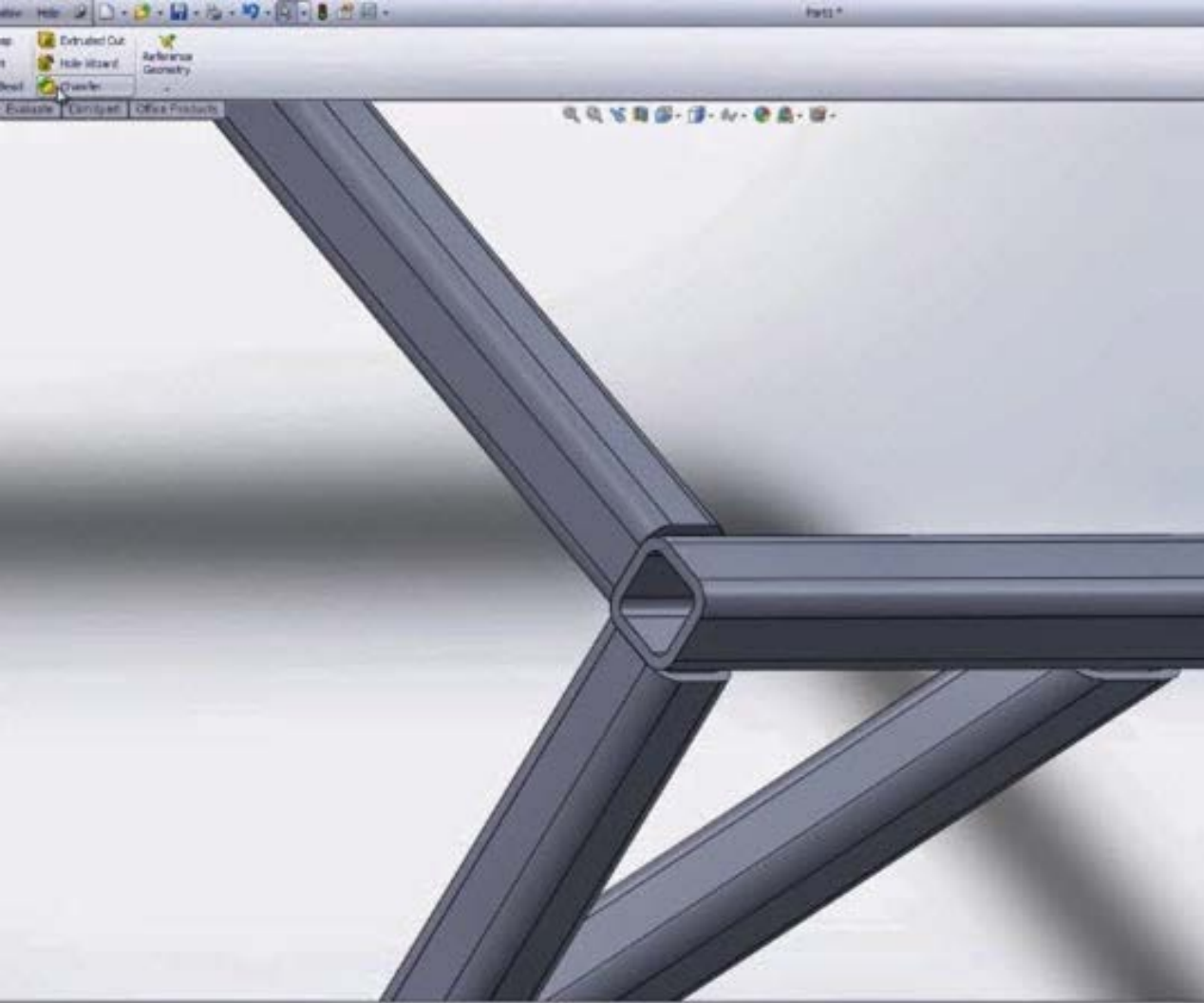


Fundamentals of Electronics



HANDS-ON
PRIMER FOR
THE NEW
ELECTRONICS
ENTHUSIAST

Learning
Discovery



Mechanical Design and Fabrication

Solidworks

CNC Mills

3D Printing

Laser Cutting

Electronic Control Systems

Automation Trainers at
Sierra College



Entrepreneurship



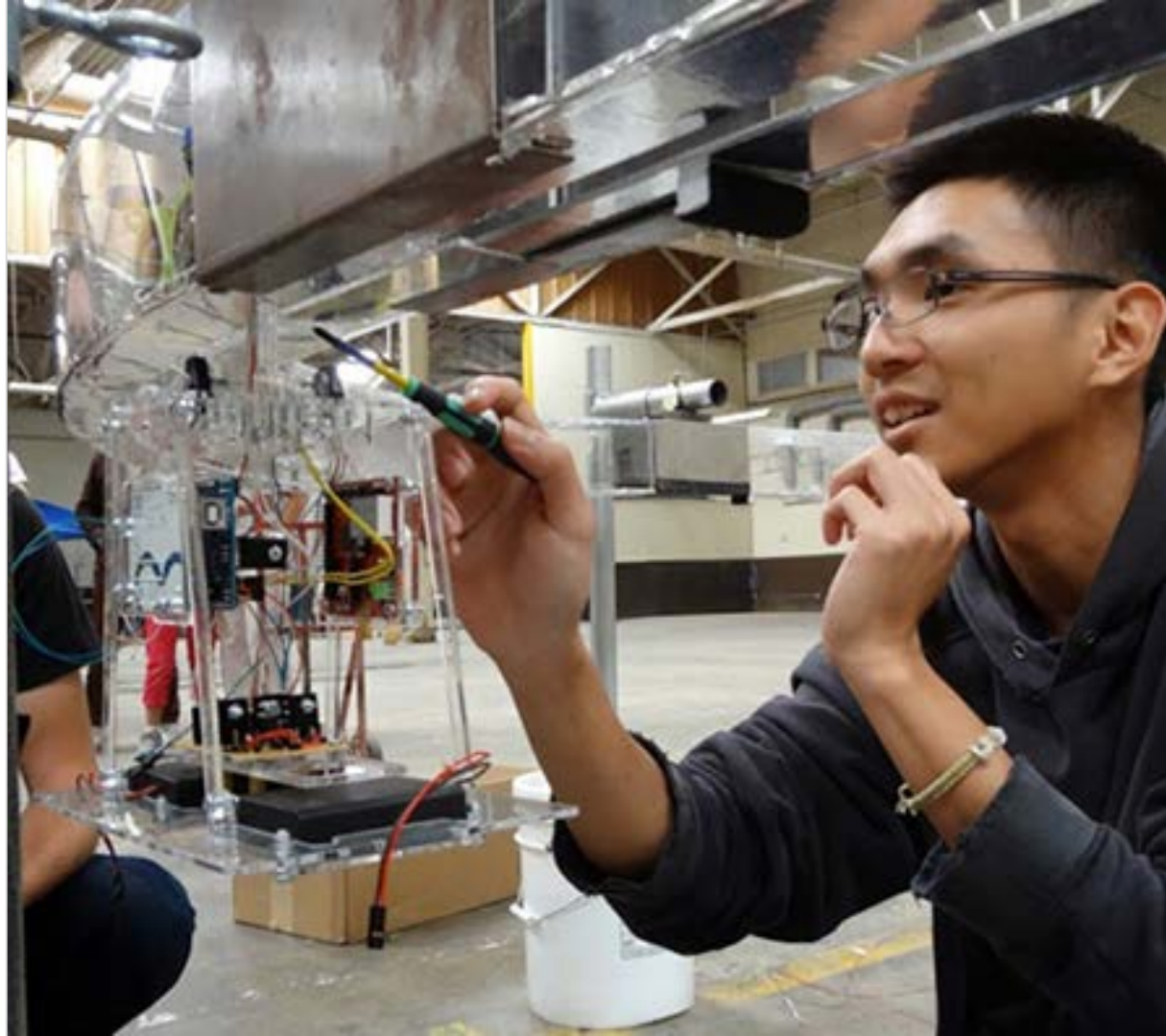
A pathway for local high school robotics teams



A Pathway to UCSC Robotics Engineering



A Pathway to SJSU Industrial Technology





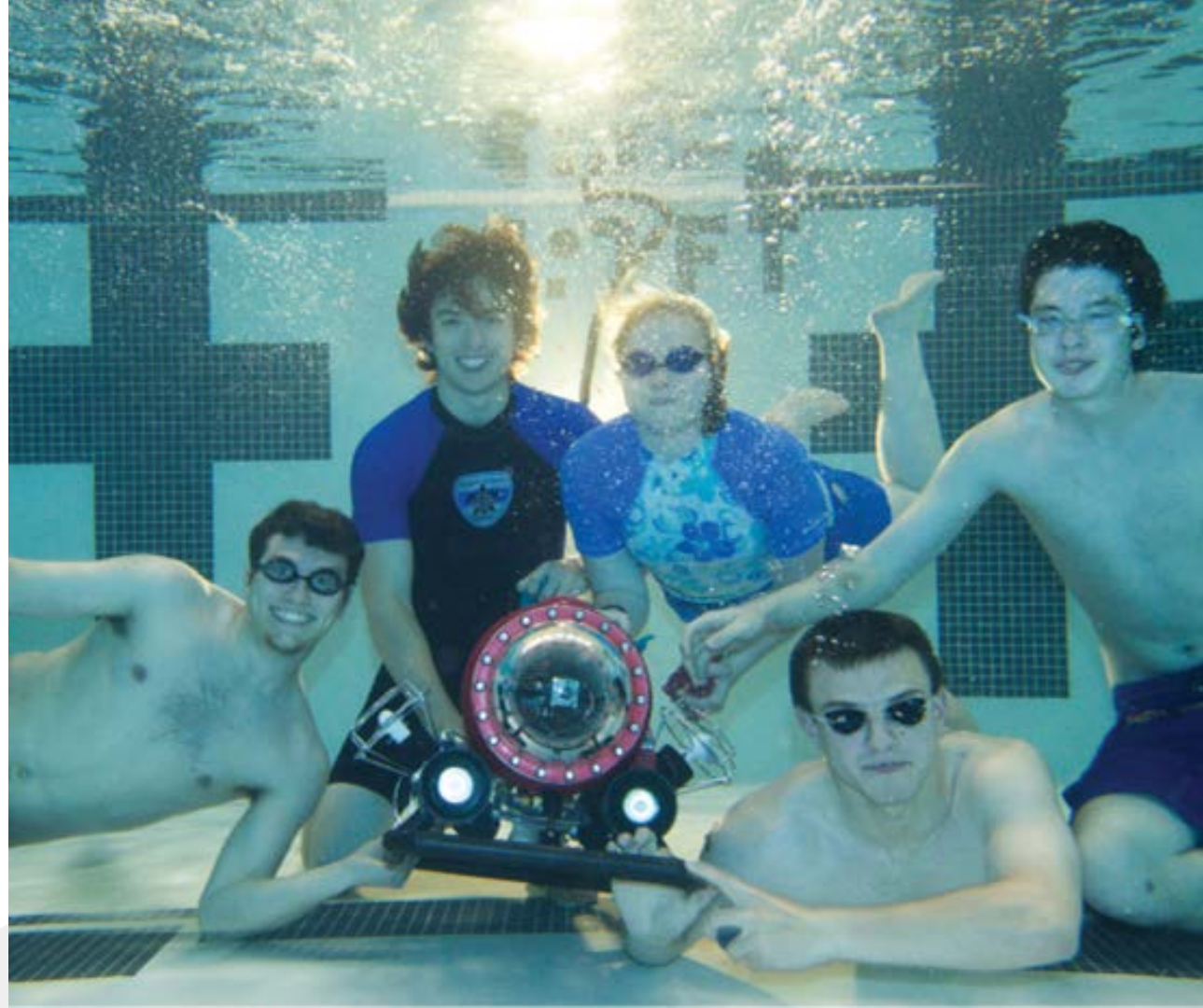
A Pathway to Ag Tech Jobs

A related NSF
center on our
campus



MATE

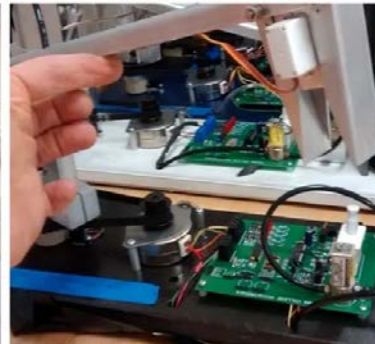
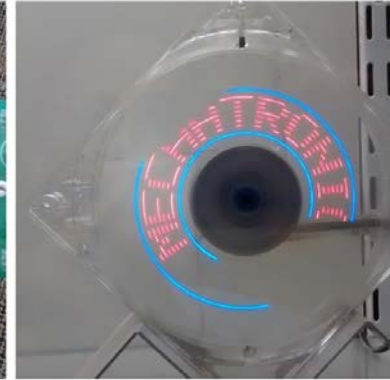
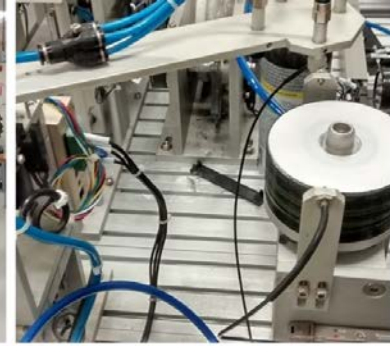
MARINE
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TECHNOLOGY
EDUCATION
CENTER



A model program and mentor nearby

Michael Halbern
Sierra College

<http://realskillsrealjobs.com/>





**Coming to a
college near you**