Staying Relevant in the Age of Robots and Artificial Intelligence

“Education is not the learning of facts, but training of the mind to think”
- Albert Einstein

Loss of Manufacturing Jobs
True in many other blue-collar sectors

Approx. 85% of jobs were lost to automation, not outsourced to low wage countries.

More Blue Collar Jobs Threatened by Technology

Warehousing, inventory, shipping
Construction (e.g. 3D printing using concrete or plastics)
Food servers, cooks and busboys
Phone receptionists
Customer service
Commercial drivers
Sales
Typists
Travel agents
More . . .

White Collar Jobs Lost to Artificial Intelligence

Criminal Justice System: Policing, Bail, Sentencing, Parole
Human Resources: Screening, Interviews, Hiring, Promotions
Higher Ed: Admissions, Financial Aid, Teaching, Grading
Medical Diagnosis
Legal Discovery
Financial Advisors
News Reporters
Online Marketers
Airline Pilots
More . . .

Routine cognitive work can be done by artificial intelligence.

Routine manual work can be done by robots.
21st Century Skills Are Inter-Related

Today’s Employers Find New Hires Fall Short in Most Human-Specific Skills

US is mid-pack for K-12 Education - PISA

Lifelong Learning is a Survival Skill

New Jobs Are Being Created

Creativity is decreasing