

# Intel® Skills for Innovation Framework

## Empowering the Next Generation of Innovators



“The capacity to innovate...and new skills like critical thinking, communication and collaboration, are far more important than academic knowledge.”

Tony Wagner,  
Senior Research Fellow  
Harvard Graduate School of Education

The Fourth Industrial Revolution has integrated digital technology into every aspect of our lives. Workplaces today demand that workers come prepared with new ways of thinking and solving problems.

### Future job markets will need more cognitive, social-emotional, and technological skills.<sup>1</sup>

Skills	% Change in hours worked by 2030 (US and Western Europe)
Physical and manual skills	▼ 11%+
Basic cognitive skills	▼ 14%+
Higher cognitive skills	▲ 7%+
Social and emotional skills	▲ 22%+
Technological skills	▲ 52%+

### The Jobs Landscape in 2025<sup>2</sup>

#### 85 Million Declining Roles Global change by 2025

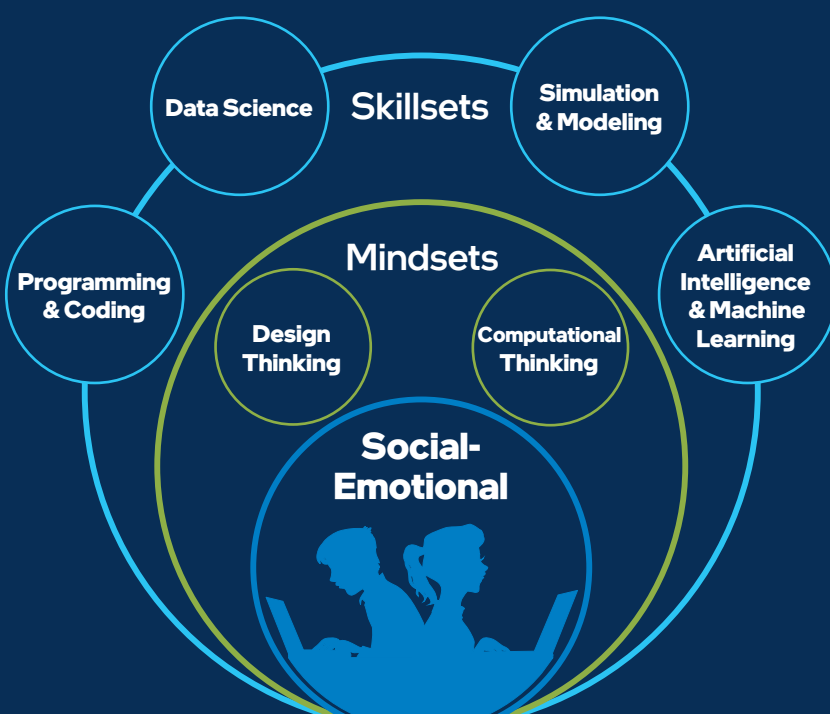
- 1 Data Entry Clerks
- 2 Administrative & Executive Secretaries
- 3 Accounting, Bookkeeping & Payroll Clerks
- 4 Accountants & Auditors
- 5 Assembly & Factory Workers

#### 97 Million Emerging Roles Global change by 2025

- 1 Data Analysts & Scientists
- 2 AI & Machine Learning Specialists
- 3 Big Data Specialists
- 4 Digital Marketing & Strategy Specialists
- 5 Process Automation Specialists

## Intel® Skills for Innovation

Our framework guides decision makers and educators in adopting technology and creating learning opportunities that actively engage students around the world. We inspire teachers and learners to reach their full potential by encouraging higher-order thinking, empowering them to build their skills from anywhere, and maximizing outcomes that prepare them for a technology-infused future.



Getting from where you are to where you want to be

The Intel® SFI Framework provides technology recommendations and tools to support decision makers and educators as they develop, try, and implement their skills-focused vision.



Are you ready to take the next step? We are. For more information about how to apply the Intel SFI Framework to your educational environment, please contact [skillsforinnovation@intel.com](mailto:skillsforinnovation@intel.com)

1. Exhibit from "Skill shift: Automation and the future of the workforce", May 2018, McKinsey Global Institute, www.mckinsey.com. Copyright © 2020 McKinsey & Company. All rights reserved. Reprinted by permission.  
 2. Saadia Zahidi et al. The Future of Jobs Report 2020, (World Economic Forum, 2020), [http://www3.weforum.org/docs/WEF\\_Future\\_of\\_Jobs\\_2020.pdf](http://www3.weforum.org/docs/WEF_Future_of_Jobs_2020.pdf)  
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