Holistic Cyber Security Education

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The Perfect Graduate

Technical Skills
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Technical Skills
- Systems Engineering
- Math/Statistics
- Computer Science
- Operations Research
- Speciality Skills
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Management Skills
- Organizing
- Planning
- Managing
- Controlling
The Perfect Graduate

- Technical Skills
- Management Skills
- Executive Skills
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- Crisis Management

Executive Skills
- Strategic Planning
- Policy Formulation
- Decision Theory
- Legal Environment
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- Critical Analysis
- Ethics
- Role
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Personal Skills
- Communication
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- Ethics
- Role
Professionalizing Cyber Security

- We are past the point where amateurs, even talented amateurs, can do what is needed

- Easy answers won’t get the job done
  - You can’t “secure” systems and networks
  - Resilience is the key

- Compliance metrics are not sufficient
  - We need performance metrics
Thank you

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