

# Module 6: IT Education and Careers

IT Exploration Training  
June 19-20-21-22, 2017  
By Eric V. Level

# Activity: Portable Apps

- Your 16 GB USB key also contains PortableApps for Windows.
- Using the software at <https://portableapps.com>, you can install multiple free applications on the USB.
- You can then run them on **any** computer – without needing to install anything.
- All Portable Apps are open source and free!

# Careers in IT

- There are lots of opportunities for careers in Information Technology!
- The U.S. Bureau of Labor Statistics has details here:

<https://www.bls.gov/ooh/computer-and-information-technology/home.htm>

- From the site: *"The median annual wage for computer and information technology occupations was \$82,860 in May 2016, which was higher than the median annual wage for all occupations of \$37,040."*

# BLS Describes IT Employment Opportunities

- Employment of computer and information technology occupations is projected to grow 12 percent from 2014 to 2024, faster than the average for all occupations.
- These occupations are expected to add about 488,500 new jobs, from about 3.9 million jobs to about 4.4 million jobs from 2014 to 2024, in part due to a greater emphasis on **cloud computing**, the collection and storage of **big data**, more everyday items becoming connected to the Internet in what is commonly referred to as the “Internet of things,” and the continued demand for **mobile computing**.

# Advance IT Minnesota

- Minnesota State IT Center of Excellence (formerly Advance IT Minnesota) is one of our camp sponsors.
- From the site: ***"Advance IT Minnesota engages employers, educators, and learners to develop a more robust IT Workforce in Minnesota."***
- The site has more details: <http://advanceitmn.org/>

# Speakers on IT Education and Careers

- Maria Loera & Bill Shy – our lab assistants and both graduates of Minneapolis Community and Technical College (MCTC) Information Technology programs.
- Michael Dorin – professor in Graduate Programs in Software @ University of St Thomas.
- Russell Fraenkel – IT Pathways Director at Advance IT Minnesota

# The End?

- Thanks for your participation and attendance!
- Keep in touch...
- If you have questions or suggestions, email Eric Level at:  
[evlevel@stthomas.edu](mailto:evlevel@stthomas.edu)
- And keep an eye out for **47**...