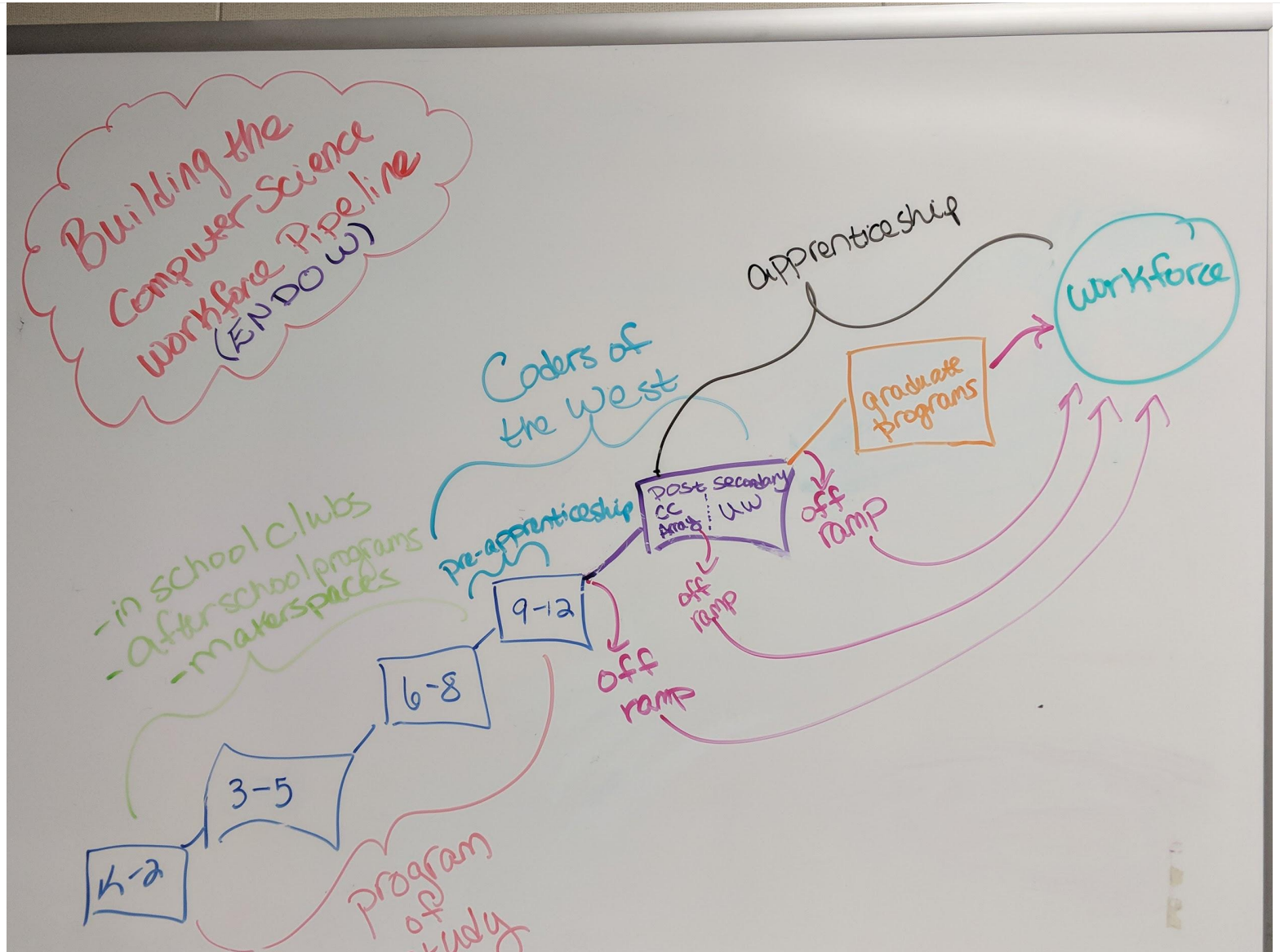


GIS in Computer Science Education

NSGIC Midyear Meeting
Panel Discussion March 1, 2018

Building the Worker Pipeline



#1 Job in US is ‘Data Scientist’

1. Process & analyze large amount of data to study relationships & trends
2. Visualize statistical results, prepare presentations supported by quantitative results
3. Predictive modeling, data analysis, real time data...
4. Degree in Computer Science, Stats, Engineering, or Math

Panel Questions

1. Has your state made computer science (CS) required for high school graduation?
2. Has your state developed curriculum for CS ed in K-12?
3. Has GIS been factored into CS education?
4. Is there any coordination between your state Department of Education and state universities or community colleges on course offerings/needs?
5. Does GIS reside in CS departments or Geography Departments in your State Universities/Community Colleges?
6. Does your state have a strategy for building the worker pipeline to meet industry demands?

ESRI's Perspective

Most common applications of GIS in K-12

- science educators who generally have comfort with data and often have place-based projects
- social studies educators who generally have place-based content they need to explore
- language/arts educators who want to give students ever more practice in communication
- career and technical education ("CTE") educators who want to "teach the software" as they might with CAD, etc.
- clubs and service groups who want to do something for the community

Thank you!

If you're interested, join the conversation through the website or contact
me

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