Welcome!

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Jim Cohoon
Joanne Cohoon
Luther Tychonieievic
Welcome to the University of Virginia
Thanks for making this workshop possible
Workshop Organizers

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Angela Bateman    Melody Hagaman   Erica Roberts
John-Michael Bishop David Hayes   Jennifer Roscoe
Alex Cabral       Marnie Hill     Mark Ruckstuhl
Eunice Chang      Buffey Holley   Jean Salac
Eunice Chang      Bruce Karpe     Beth Shannon
Aihua Chen        Jane Krauss     Sophie Trawalter
Jennifer Chiu,    Marc Lewis      Luther Tychonievich
Leslie Cintron    Robert Luciano  Kristi Vilberg
Jim Cohoon        Brian Meermans  Scott Wofford
Allison Collier   John Ohlsen     Bridgett Wolfe
Ashley Dawson     Vanessa Pena    Michelle Zietlow
Teresa Elmore     Kirsten Poland  


Who are we

[Map of the United States with numbers indicating locations]
Why computing
What are your circumstances?
What are your circumstances?
What are your circumstances?
What your circumstances

- Class size for introductory computing

<table>
<thead>
<tr>
<th></th>
<th>All students</th>
<th>Female Students</th>
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<tbody>
<tr>
<td>Minimum</td>
<td>12</td>
<td>2</td>
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<tr>
<td>Maximum</td>
<td>300</td>
<td>80</td>
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<td>Average</td>
<td>98</td>
<td>22</td>
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<tr>
<td>Mode</td>
<td>12</td>
<td>7</td>
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<tr>
<td>Less</td>
<td>10%</td>
<td>6%</td>
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<tr>
<td>More</td>
<td>50%</td>
<td>22%</td>
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<tr>
<td>Same</td>
<td>10%</td>
<td>72%</td>
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Why are we here?
Because promoting diversity is right thing to do

Build cool stuff.

Sell cool stuff.

Do cool stuff.

Access to meaningful, rewarding occupations
Why Tapestry
Purpose of the Workshop

• Share research-based and field-tested ways to
  – Attract more and diverse students into computing
  – Influence perceptions of computing’s importance and its opportunities
  – Better engage students in the excitement and rewards of computing
Your Top 5 Hopes for the Workshop

1. Effective **recruiting** methods, especially for women & minorities
2. **Networking** with other CS or IT teachers
3. **Pedagogy** that engages all types of students
4. Effective **curricula**
5. Means of **persuading** administrators, parents, guidance counselors
## Your hopes and our plans

<table>
<thead>
<tr>
<th>Pedagogy</th>
<th>Recruiting</th>
<th>Networking</th>
<th>Curricula</th>
<th>Persuade</th>
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<tbody>
<tr>
<td>-Mitigating Stereotype Threat</td>
<td>-Socializing</td>
<td>-Logic Groups</td>
<td>-Gender &amp; Computing</td>
<td>-Resources</td>
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<td>-Spatial Skills</td>
<td>-Welcome</td>
<td>-Breaks</td>
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<td>-Integration</td>
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<td>-Research-based Pedagogy</td>
<td>-Active Recruiting</td>
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<td>-Tour &amp; Dessert</td>
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<td>-Facebook page</td>
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Pledge my students take to be in my course

- Attend and prepare for every class meeting; that is,
  - Bring my laptop to every class;
  - Do requested readings on-time;
  - Do homework on time.
- Be an active learner doing my best to master class material and practices; that is,
  - Will give every class meeting my full attention;
  - Will not send or read e-mail or text messages during class;
  - Will not use any social media during class;
  - Will limit my browser use to class materials.
- Ask questions and volunteer answers; that is,
  - If I know the answer to a question, I will raise my hand to participate in class discussion;
  - If I do not understand the material, I will raise my hand to seek help to get that understanding.
- Honorably help others in the class to succeed and let others honorably help me to succeed; that is,
  - Will only use authorized help for assignment and tests:
Listen and share; Plan and commit
Questions or comments?