## **CS Capacity Efforts at Google**

Abby Bouchon Daniels, Program Manager, Google

Tropicially Community

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### **CS Capacity Awards**

- Launched in 2014 to address rising enrollments
- Goal is to surface a wide variety of technological and pedagogical solutions to address the challenges rising in very different institutions
- We are in the third year and now sharing what has been learned from partner institutions















## **CRA 'Scaling Capacity' Site**

http://cra.org/crae/scaling-capacity

A website for institutions to share best practices in the CS Capacity crunch in response to the surge in enrollment in university CS courses.





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#### http://cra.org/crae/scaling-capacity/

#### HELP WITH **MaGE Training Course** The MaGE Training Course prepares students for educating, mentoring, and supporting others in inclusive ways. Auto-Grading (3) The course raises awareness of the role of social identity in learning, emphasizes active learning within computer Cheating (1) science, and prepares students to be technical peer mentors. Inclusion (4) Help With: Student Preparedness, TAs & Tutors | Ideas For: Inclusion, Mentoring, Tutoring Student Preparedness Class Sizes: 1-50, 101-250 Years: Freshmen, Sophomores, Juniors, Seniors+ | Majors: All Majors TAs & Tutors (6) Teaching Styles (1) **Providing Better Feedback in Auto-Grading** The goal is to provide better feedback to our students in auto-grading situations. The intervention comprises an RUTGERS **IDEAS FOR** added map between assignments and concepts. The mapping tool enables educators to point out which concepts students have failed to demonstrate in a code submissions and provide students with feedback on the Class Management (3) concept or concepts they have failed to understand. Data Analysis (1) Inclusion (6) Help With: Auto-Grading, Inclusion, Student Preparedness, TAs & Tutors | Ideas For: Class Management, Mentoring (5) Inclusion, Mentoring, Tutoring Class Sizes: 1-50, 51-100, 101-250, 251-500, 501-1000, 1000+ Tutoring (4)

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# More information: Faculty Research Awards: <a href="http://bit.ly/2fKJaXi">http://bit.ly/2fKJaXi</a>

Guide to Technical Development: <a href="https://techdevguide.withgoogle.com/">https://techdevguide.withgoogle.com/</a>

abouchon@google.com