

Workshop on Summer Programs

Katherine St. John & Megan Owen

City University of New York
American Museum of Natural History

8 December 2017

Welcome!



Welcome!



Wifi access: use `lehman_guest` with login: `csguest` and password: `Gillet1234!`.

Introductions



Katherine St. John

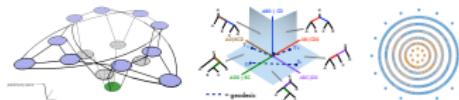


Megan Owen

Advertisement: Academic Year REU

PAID RESEARCH OPPORTUNITIES

Lehman College of CUNY is hosting an academic year research experience for undergraduate (REU) program, funded by the National Science Foundation. Students will work on research problems combining biology, computer science, and mathematics. There will also be activities to improve technical and communication skills, foster productive collaborative work, and encourage involvement in future research opportunities (such as summer REU programs, and research and industrial internships).



Overview:

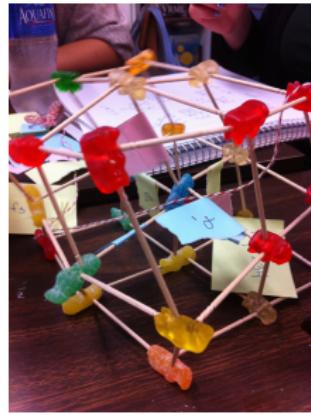
- Students work in small interdisciplinary groups focusing on challenging problems in discrete mathematical and computational biology.
- One year of college-level mathematics or computer science is required.
- Students meet all day on Fridays in the fall and post progress on-line.
- The fall stipend is \$3000. The stipend for the January session is \$2000.
- Students must be full-time and US citizens or permanent residents.
- Priority will be given to students who come from institutions with fewer research opportunities and to students at the start of their college career.
- Review of applications begins 8 September and continues until filled.



Information at: goo.gl/K8FfwF
Applications: mathprograms.org
Send questions to: treespace.reu@gmail.com

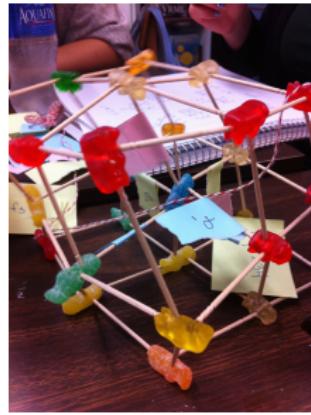


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- *Hands-On: Finding Summer Programs*

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NYC: Many opportunities for math & cs
in finance, some pure tech *Deadlines now until 1 March*

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Gov't: AMS, HACU, NSBE,
Tech: often informal (meet-ups) but some
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<http://www.ams.org/programs/students/emp-internships>

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Hands-On: Finding Summer Programs

Make a list of 4 programs on google form
(<https://goo.gl/6iw75b>):



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- Email/Linked-In info

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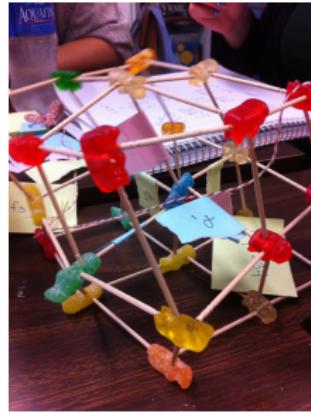
Hands-On: Application Checklist



Make a folder on your computer and include as many as possible:

- Resume (in pdf form)
- Transcripts (unofficial)
- Personal Statement
- Cover Letter (depends on program)

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- What technical/academic skills do you have that would help you succeed in this program?
- What 'soft' skills (e.g. persistence, leadership, collaboration) do you have that would help you succeed in this program?

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Hands-On: Writing essays

Brainstorm on the following. Include 2 to 3 examples for each:



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- What technical/academic skills do you have that would help you succeed in this program?
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Hands-On: Writing essays



- Find a partner.
- Explain your brainstorming notes.
- Together, decide on a sentence that summarizes your answers.
- Switch roles and repeat.

Hands-On: Writing essays



Make a first draft of your personal statement:

- Write your summarizing statement at top.
- Make a bulleted list of your reasons and strengths.
- Fill in each with details.

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Hands-On: Writing essays



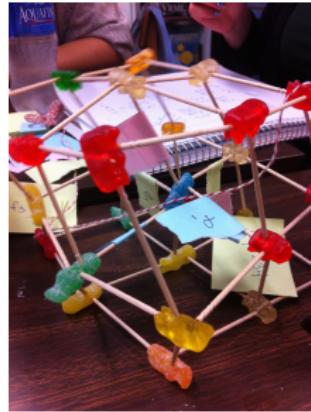
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Third draft: Wait a day, reread and edit.

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Recap



- Lots of programs from which to choose!
- Can submit similar applications to multiple programs.
- Apply to 5 to 10 programs.
- Ask for recommendation letters & official transcripts early.

Thank you to:

- *the National Science Foundation for their generous funding,*
- *the Office of Research & Sponsored Programs, and*
- *the Office of the Dean of Natural & Social Sciences*