

School Address:  
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## Mary Guan

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### Education

|   |               |
|---|---------------|
| <b>Massachusetts Institute of Technology (MIT)</b>          | Cambridge, MA |
| Undecided; Interested in Biological Engineering & Economics | June 2014     |
| <b>Greenhills High School</b>                               | Ann Arbor, MI |
| Top 5% in class all 4 years                                 | June 2010     |

### Work Experience

|   |                    |
|---|--------------------|
| <b>Research Specialist in Yaffe Lab</b>   | Cambridge, MA      |
| Koch Institute for Integrative Cancer Research  | Dec 2010 - present |
| <ul style="list-style-type: none"><li>Assisted with experiments on the DNA damage response in yeast cells</li><li>Performed microscopy and FACS and then analyzed data</li><li>Objective was to characterize the role of a specific histone modification</li></ul>  |                    |
| <b>Research Specialist Intern</b>   | May 2008-Sept 2010 |
| University of Michigan Cardiovascular Center, Ann Arbor, MI   |                    |
| <ul style="list-style-type: none"><li>Worked on own research project, "Analysis of peroxisome proliferator-activated receptor gamma in the regulation of angiogenesis"</li><li>Learned basic laboratory techniques</li><li>Maintained and analyzed cell cultures</li><li>Assisted with mouse genotyping by conducting PCR (Polymerase Chain Reaction) experiments</li></ul> |                    |
| <b>MIT Rotch Librarian</b>  | Cambridge, MA      |
|   | Oct 2010 - present |
| <ul style="list-style-type: none"><li>Worked at the desk and answered patrons' questions</li><li>Opened and closed the library, shelved books</li></ul>   |                    |
| <b>Kumon Instructor</b>   | Ann Arbor, MI      |
|   | Sept 2007-May 2010 |
| <ul style="list-style-type: none"><li>Taught and helped the students, ages 4-17, with their Kumon homework worksheets in reading and math</li></ul>   |                    |
| <b>Self-Employed Violin Teacher</b>   | Jan 2010-Sept 2010 |

### Skills

Some Python programming experience, very proficient with Microsoft Office

### Activities & Awards

|  |                     |
|--|---------------------|
| <b>Cambridge Schools Volunteer</b>   | Oct 2010-present    |
| After-school tutor (grades 6-8) at the Martin Luther King Jr. School   |                     |
| <b>MIT MedLink</b>   | Oct 2010-present    |
| <b>Chamber Music Society</b>   | Sept 2010-present   |
| Violinist in quintet   |                     |
| <b>2010 Intel Science Talent Search</b>  | January 2010        |
| Semifinalist   |                     |
| <b>Elementary School Science Olympiad</b>  | Ann Arbor, MI       |
| Head Coach   | Sept 2008-June 2009 |
| <ul style="list-style-type: none"><li>Coached for the event Estimania, in which the students had to estimate values and do calculations based on them</li><li>Held weekly meetings after school for students grades 2-5</li><li>Made worksheets with sample problems and activities</li><li>3<sup>rd</sup> Grade team earned 1<sup>st</sup> place in County Tournament</li></ul> |                     |
| <b>Elementary School Math Olympiad</b>   | Jan 2009-June 2009  |
| Co-founder and Head Coach  |                     |
| <ul style="list-style-type: none"><li>Taught students techniques for solving Math Olympiad problems</li><li>Made math worksheets, helped students with the problems</li></ul>  |                     |