

SKILLS-BASED FORMAT

Adina Liu

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EDUCATION

Bachelor of Science in Biology, expected May 2010

Mills College, Oakland, CA

Minor: Chemistry

LAB EXPERIENCE

Lab Assistant, Mills College, Oakland, CA, Sept 2008 – May 2009

- Assisted a Ph.D. of Microbiology with collecting data on nitrogen fixation in corn and soybean plots
- Charted plot date for further analysis to be incorporated into a scholarly research paper for conference presentations

SKILLS

Cell Biology:

- Performed experiments consisting of pH gradients, cell function depending on the pH of different fluids and the procedure of electrophoresis

Genetics:

- Created genetic experiments using *Drosophila melanogaster* and their ability to mate with other flies producing mutations described by Gregor Mendel and other famous geneticists

Microbial Ecology:

- Conducted ecological testing of different microorganisms from aquatic and soil environments

Immunology:

- Performed tests on immunoserums and antibodies produced from rabbits. The different tests used to observe antigens and antibodies; immunoassay, Western Blot, and Eliza

Organic Chemistry:

- Performed a study of nomenclature, preparations, reactions, and reaction mechanisms of functional groups of aliphatic and aromatic compounds

Biochemistry:

- Gained experience in the chemistry of major cellular constituents and their metabolism of functional groups of aliphatic and aromatic compounds

ACADEMIC DISTINCTIONS, ORGANIZATIONS

- Mills College Biology Club
- Mills College Dean's List: 6 semesters
- Recognition of Excellence for Academic Success, Leadership, and Service by American Association of University Women - 2007