

# Neha Uppal

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## Education

**Tufts University**, Medford, MA

Bachelor of Science in Child Development and Biomedical Engineering, May 2009

Relevant Coursework: Applied Physiological Development, Biology, Brain and Behavior, Chemistry (General and Organic), Differential Equations, Introduction to Biomedical Engineering, Introduction to Computer Science, Molecular Biotechnology, Physics, Physiology in Biomedical Engineering

## Work Experience

**Science and Technology Center**, Medford, MA

Biomedical Engineering Research Assistant, May 2008 – Present

- Immobilizing luciferase from *Photinus pyralis* in silk

Biomedical Engineering Research Assistant, May 2007 – May 2008

- Co-author of paper, in review
- Immobilizing enzymes in silk fibroin protein and measurement of their activity through a 12 month period, with the future practical application involving wound dressings and artificial skin;

Biomedical Engineering Research Assistant, May 2006 – August 2006

- Focused on recombinant DNA, using phage display in bacteriophages to create recombinant plasmids

**Tufts Computer Science Department**, Medford, MA

Computer Science Research Assistant, September 2008 – Present

- *Modeling neuro-mechanical control in soft-tissue organism*, an interdisciplinary project involving computer science, biology and biomedical engineering to understand and replicate the elasticity in the movement of *Manduca* caterpillars

**Tufts Psychology Department**, Medford, MA

Psychology Research Assistant, Medford, MA, September 2006 – May 2007

- Researched in the Interpersonal Perception & Communication Laboratory, gained skills in creating experiments and interacting with participants

## Activities

**Tufts University Garba Team**, Medford, MA

Captain and Choreographer, September 2007 – Present

- Responsible for fundraising and travel of a national competitive team
- Choreograph Indian folk dance routine

**Tufts Association of South Asians**, Medford, MA

Director of Annual Culture Show, March 2007

- Responsible for putting together the show and handling 100+ participants
- Directed Boston's largest collegiate South Asian culture show

**Tufts Leonard Carmichael Society**, Somerville, MA

Special Friends Volunteer, September 2006 – May 2008

- Mentor and friend to a kindergartener at Tufts Daycare