NISHA MASHARANI

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EDUCATION

Stanford University   2011 – 2015 (expected)
B.S. in Computer Science (expected)
GPA: 3.55/4.0
Courses: Chemical Principles (accelerated), Structure and Reactivity, Programming Abstractions (accelerated), Vector Calculus for Engineers, Ordinary Differential Equations for Engineers, Photosynthesis: From Basic Mechanisms to Biofuels (seminar), Revolution in Concepts of the Cosmos (seminar)

Crystal Springs Uplands School   2007 – 2011
GPA: 4.07/4.0
Awards: AP Scholar with Honors (2011), National Science Bowl Regionals 3rd Place (2011), National Merit Commended Student (2010), Cornell Women in Engineering Selected Student (2010)

EXPERIENCE

Falconer Biology Library   September 2011 – Present
Student worker
- Shelved books and helped patrons at the front desk for seven hours per week.
- Learned organizational skills, the library of congress cataloging system, and the online library databases.

Amyris, Inc.   June 2011 – August 2011
Summer Intern
- Optimized yeast transformations for the Automated Strain Engineering group.
- Operated liquid handling robots made by Tecan and Beckman.
- Developed techniques for efficient and more effective media preparation and DNA cloning.
- Participated in operations of Automated Strain Engineering department.
- Form I-9 through TargetCW Contingent Workforce.

Private Tutoring   January 2011 – June 2011
- Tutored two Aragon High School sophomores in Algebra 3/4 and Chemistry and helped them raise their grades from Cs to As.
- Helped with test preparation, homework, understanding concepts.

UCSF McManus Lab   Summer 2009 and 2010
Research Intern
- Cloned DNA in e. coli using transformation and DNA purification.
- Performed cell culture in 293T cells and Raji B cells.
- Created lentivirus containing small RNAs.
- Performed flow cytometry analysis of 293T cells and Raji B cells.
- Wrote an abstract for a research paper.

Crystal Springs AP Chemistry   January 2010 – May 2011
Teacher
- Taught AP Chemistry to sophomores, juniors, and seniors in preparation for the May 2010 and May 2011 AP Chemistry exams.

SKILLS

Programming: C++, Java, Matlab, Python (some)
Computer: Photoshop, Word, Excel, Powerpoint, Social Media
Languages: Spanish (some)