

Santa Clara Valley Science and Engineering Fair Association

P.O. Box 307, Los Altos, California 94023 • 650-856-1289

www.science-fair.org

Celebrating Consecutive Regional Science Fairs Since 1960
Affiliated with the Intel International Science and Engineering Fair

MENTOR PROFILE FOR STUDENTS TO REVIEW

Please fill in the appropriate information boxes below, and email this document to rwwcwl@yahoo.com for posting on our website www.science-fair.org.

Last name:

Liu

First name:

Andrew

College and degree(s) earned:

BA/MS Math and Computer Science (anticipated), Harvard

Email address:

Contact mentors@science-fair.org

Web page (if applicable):

Phone number and available hours to call:

Contact mentors@science-fair.org

Your background summary: (Please limit to 200 words)

I am an SCVSEFA alum who competed in Synopsys in 2010 and 2011. My past research is in machine learning and recommendation, image analysis, and bioinformatics, in which I did transplant rejection research that won 5th in the Siemens Competition and 2nd at Intel ISEF. I am also an Intel STS alum and very interested in mentoring younger students in the young field of bioinformatics, both because I am interested in supporting middle and high school research (see my TEDx talk - <http://bit.ly/p7AsdW>) and I am passionate about the interface of biology and statistics. I was invited by Craig Laughton to become a mentor and I am thankful for the opportunity.

Briefly write about your science and/or engineering interests:

I am very interested in bioinformatics and in general the interdisciplinary applications of quantitative methods to other fields, especially hard sciences. While most of my background is in science and academic research, I have also embarked on engineering projects (mainly software and web development) and am leading an internet startup. Specific fields that I have experience with are artificial intelligence and machine learning, genomics, immunology, and application development (iOS and web).

Projects from which scientific category (one or more) would you be interested in mentoring? Categories are explained in detail at

<http://synopsys.championship.googlepages.com/scientificcategoriesforprojects>.

Bioinformatics, Computers/Mathematics, Physics, Medicine, Chemistry

If you are a past Science Fair Judge, list scientific categories which you judged:

If you are a past Science Fair Judge, list fairs by name in which you participated (local school fair, Synopsys Championship, CSSF, ISEF, etc.)

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