Rachel Barcklay

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EDUCATION

Harvey Mudd College, Claremont, CA

B.S., Physics   Expected 2020

RELEVANT COURSEWORK

Principles and Practice of Computer Science, Introduction to Biology - computational biology, programming in Python, Introduction to Probability and Statistics- R programming based.

Berkeley High School, Berkeley, CA

GPA: 4.0

Took AP Physics, Calculus B/C, Chemistry, Biology, Chinese

Berkeley Mayor's Citizenship Award   2015, 2014

SKILLS

Programming Languages   JAVA, Python, javascript, HTML, CSS, R, SQL

Computer   MacOSX, LaTex, Amazon Web Services, Flask

Languages   Mandarin Chinese (conversational)

TUTORING AND MENTORING

IB Mentoring, Berkeley, CA   2014-2015

Offer my assigned freshman tips for succeeding in high school, and helping her till she becomes accustomed to Berkeley High.

Math and Science Tutor, Berkeley, CA   2012-2016

Tutored in math or science during after school sections in the College and Career Center.

WORK EXPERIENCE

Intern at UC Berkeley NanoLab, Berkeley, CA   Summer 2015

Using Java and SQL, worked under my supervisor to develop a sensor data processing program. Measured germanium deposition on silicon wafers to collect data to write a regression series mapping sensor voltage to flow rates.

EXTRACURRICULAR ACTIVITIES

President, Berkeley High China Care Club, Berkeley, CA   2014 - 2016

Claremont-Mudd-Scripps Cross-country and Track, Claremont, CA   2016 - present

Outward Bound   Summer of 2014

Three week backpacking and mountaineering course. Hiked 50 miles, summited 4 mountains over 14,000 feet, and developed leadership skills