

# Daniel Li

University of California, Berkeley  
2647 Durant Avenue  
Berkeley, California 94704 U.S.A.

Phone: 949-923-8662

email: [li.daniel@berkeley.edu](mailto:li.daniel@berkeley.edu)

URL: <http://www.daniel-li.me>

Born: February 9, 1997—Beer-Sheva, Israel

Nationality: American/Chinese

## Current position(s)

*Research Assistant*, University of California, Berkeley — Pachter Group

- Research in novel approaches to RNA-sequencing with the features in abundance estimation transcript annotation difficulties, differential expression
- Optimization of statistical likelihood model through non uniform distribution analysis to increase accuracy for projections onto subspaces

*Research Assistant*, University of California, Berkeley — Rao Group

- Investigating phylogenetic algorithms in computational biology

## Areas of specialization

Electrical Engineering & Computer Science • Computational Biology • Machine Learning

## Positions held

2016s	Factual Inc, Research & Development Intern
2013-2014	Speech & Debate, President
2013-2014	Science Olympiad, Captain
2012s, 2013s	University of California, Irvine Calitz, Research & Development Intern
2013s	Pabrai Investment Funds, Analyst Intern

## Education

2014-2017	BSc <i>in progress</i> Electrical Engineering and Computer Science, University of California, Berkeley <ul style="list-style-type: none"><li>• 3.6/4.0 GPA</li></ul>
2011-2014	DIPLOMA La Cañada High School <ul style="list-style-type: none"><li>• 4.7/4.0 GPA</li><li>• 2310/2400 SAT</li></ul>

## Honors & awards

2016sp	Dean's Honors – awarded to top 10% of the class, University of California, Berkeley
2014	MIT Think award – awarded \$2,000, Massachusetts Institute of Technology

## Relevant Skills

Proficient	Programming Languages: Java • Python • C • R Mathematics: Calculus (integral, differential, vector, multivariable) • Discrete Mathematics
Competent	Programming Languages: CSS • HTML • Android SDK development • Shiny • LISP/Clojure/Scheme • SQLite Mathematics: Statistics • Calculus (Lambda) • Probability theory • Algebra • (Partial) Differential Equations

## Coursework

1\*\* DENOTES UPPER DIVISION

Fall 2014	<i>University of California, Berkeley</i> Computer Science 61A – Structure and Interpretation of Computer Programs Mathematics 1A – Calculus Earth & Planetary Science C129 – Biometerology Education 186AC – The Southern Border Comparative Literature R1B – Comparative World Literature Mechanical Engineering 98 – Directed Group Study
Spring 2015	<i>University of California, Berkeley</i> Mathematics 54 – Linear Algebra and Differential Equations Computer Science 61B – Data Structures Physics for Scientists and Engineers 7A – Mechanics Education 190 – Critical Studies in Education Computer Science 98 – Directed Group Study
Summer 2015	<i>University of California, Berkeley</i> Mathematics W53 – Multivariable Calculus  <i>California State University, Fullerton</i> Physics 226 – Electricity & Magnetism Physics 226L – Electricity & Magnetism Lab
Fall 2015	<i>University of California, Berkeley</i> Computer Science 70 – Discrete Mathematics & Probability Theory Electrical Engineering 16A – Designing Information Devices and Systems I Computer Science 199 – Research under Professor Lior Pachter History 162A – Europe and the World: Wars, Empire, Nations 1648-1914

Spring 2016

*University of California, Berkeley*

Computer Science 61C — Machine Architectures

Computer Science C8 — Introduction to Data Science

Computer Science 160 — Human Computer Interaction

Computer Science 199 — Research under Professor Lior Pachter

College Writing 25AC — United States Education

College Writing 10A — Introduction to Public Speaking

College Writing 9C — Academic Writing

Fall 2016

*(IP) University of California, Berkeley*

Computer Science 170 — Efficient Algorithms & Intractable Problems

Computer Science 176 — Algorithms in Computational Biology

Electrical Engineering 16B — Designing Information Devices and Systems II

Computer Science 199 — Research under Professor Lior Pachter

Computer Science 199 — Research under Professor Satish Rao