

Daniel Li

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

Nationality: American/Chinese

Current position(s)

Research Assistant, University of California, Berkeley.

Pachter Group

- Research in latent scRNA cell type classification under noisy data conditions

Research Assistant, University of California, Berkeley

Rao Group

- Investigate phylogenetic algorithms and optimize estimation accuracies on various trees

Research Interests

Computational Biology • Machine Learning

Positions held

2017s	NEC Laboratories, Research Assistant <ul style="list-style-type: none">• Deep learning on memory recurrent networks and video action recognition.• Only <i>undergraduate</i> research assistant in Ph.D level work and in the accepted candidate pool
2016s	Factual Inc, Software Engineering Intern <ul style="list-style-type: none">• Entity resolution of databases semantic similarity, clustering, and artificial neural networks
2012s, 2013s	University of California, Irvine Calitz, Research & Development Intern
2013s	Pabrai Investment Funds, Analyst Intern

Education

2017-2018	M.Sc. Electrical Engineering and Computer Science, University of California, Berkeley. <i>In progress.</i> <ul style="list-style-type: none">• 4.0/4.0 GPA
2014-2017	B.Sc. Electrical Engineering and Computer Science, University of California, Berkeley. <ul style="list-style-type: none">• 3.65/4.0 GPA
2011-2014	DIPLOMA. La Cañada High School <ul style="list-style-type: none">• 4.7/4.0 GPA

Honors & awards

2016sp	Dean's Honors – awarded to top 10% (3.9 GPA) of the class, University of California, Berkeley
2014	MIT Think Award – awarded \$2,000, Massachusetts Institute of Technology
2014	Summa Cum Laude – awarded to top 5% of graduating class

Talks

2016s	Li, Daniel, <i>Latent Dirichlet Allocation and Applications in Data Deduplication</i> , Factual Inc. <i>June 9, 2016</i>
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Relevant Skills

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

Coursework

2** DENOTES GRADUATE DIVISION

1** DENOTES UPPER DIVISION

M.Sc.** DENOTES TIME AS A M.Sc. STUDENT

B.Sc.** DENOTES TIME AS A B.Sc. STUDENT

M.Sc. FA 2017 (IP)	<i>University of California, Berkeley</i> Computer Science 294-134 – Beyond Worst Case Analysis Math 215A – Algebraic Topology CS 299 – Research Thesis under Professor Satish Rao
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- B.Sc. SP 2017 *University of California, Berkeley*
 Computer Science 270 – Combinatorial Algorithms & Data Structures
 Computer Science 274 – Computational Geometry
 Computer Science 294-131 – Special Topics in Deep Learning
 Computer Science 194-131 – Designing Technology to Combat Violent Extremism
 Electrical Engineering 16B – Designing Information Devices and Systems II
 Industrial Engineering & Operations Research 192 – Entrepreneurship
 Information 88A – Data and Ethics
 Physics 49 – Thermodynamics
 Computer Science 199 – Research under Professor Lior Pachter
 Computer Science 199 – Research under Professor Satish Rao
- B.Sc. FA 2016 *University of California, Berkeley*
 Computer Science 170 – Efficient Algorithms & Intractable Problems
 Computer Science 194-26 – Computational Photography
 Computer Science 294-128 – Algorithms and Uncertainty
 Computer Science 199 – Research under Professor Lior Pachter
 Computer Science 199 – Research under Professor Satish Rao
- B.Sc. SP 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
- B.Sc. FA 2015 *University of California, Berkeley*
 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
- B.Sc. SU 2015 *University of California, Berkeley*
 Mathematics W53 – Multivariable Calculus
- California State University, Fullerton*
 Physics 226 – Electricity & Magnetism
 Physics 226L – Electricity & Magnetism Lab
- B.Sc. SP 2015 *University of California, Berkeley*
 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
- B.Sc. FA 2014 *University of California, Berkeley*
 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