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 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
2015s	Carl's Jr Enterprises, Cashier
2013-2014	Speech *&* Debate, President
2013-2014	Science Olympiad, Captain
2012s, 2013s	University of California, Irvine Calit2, Research *&* Development Intern
2013s	Pabrai Investment Funds, Analyst Intern

Education

2014-2017	BSc *in progress* Electrical Engineering and Computer Science, University of California, Berkeley • 3.6/4.0 GPA
2011-2014	DIPLOMA La Cañada High School • 4.7/4.0 GPA • 2310/2400 SAT

Honors & awards

MIT Think Scholarship, 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 • Scheme/Lisp • SQLite
Mathematics: Statistics • Calculus (Lambda) • Probability theory • Algebra • (Partial) Differential
Equations)

Coursework

1** DENOTES UPPER DIVISION

Fall 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

Spring 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

Summer 2015 *University of California, Berkeley*
Mathematics W53 — Multivariable Calculus

California State University, Fullerton
Physics 226 — Electricity & Magnetism
Physics 226L — Electricity & Magnetism Lab

Fall 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

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