# Yifat Amir

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## EDUCATION

**UNIVERSITY OF CALIFORNIA, BERKELEY**

**Bachelors in Computer Science and Economics (double major), *Junior, GPA: 3.67***

Spring 2016 courses: *Probability Theory and Combinatorics, Computer Architecture (languages: C, MIPS), Econometric Analysis*

Completed courses include: *Algorithms & Intractable Problems****,*** *Discrete Math & Probability Theory****,*** *Data Structures & Algorithms****,*** *Statistics, Behavioral Economics****,*** *Natural Resource Economics****,*** *Industrial Organization****,*** *Multivariable Calculus****,*** *and Linear Algebra****.***

## SKILLS & QUALIFICATIONS

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| * Programming languages: Python, Java, J.S., Scheme, SQL * Experienced with Git and collaborative development * Excellent project management and communication skills * Languages spoken: English, Hebrew, Spanish | * Past individually completed class projects:   1. Implemented Git (a version control software) in Java: supports 15 commands including branch, merge, and rebase.  2. Created a general purpose Scheme interpreter in Python: uses a recursive read-eval-print loop; supports special forms. |

**WORK EXPERIENCE**

**BEAUTY AND JOY OF COMPUTING (B.J.C.), *BERKELEY, CA***

**Software Developer***, May 2015 – Present*

* Developed a suite of autograding tools in Java & J.S. for “Snap!”, a visual drag-and-drop programming language.
* Implemented autograder software for BJCx, identifying and addressing lab exercises that pose non-traditional grading challenges. B.J.C. is an AP C.S. Principles curriculum endorsed by the College Board and offered internationally on edX (12,000+ students).

**COMPUTER SCIENCE DEPARTMENT OF U.C. BERKELEY, *BERKELEY, CA***

**C.S. 10 Undergraduate Student Instructor, Reader, Lab Assistant***, August 2014 – Present*

* Taught a recitation class (30 students), held weekly office hours, and participated in pedagogical planning/content development.
* Developed rubrics for and graded homework assignments, programming projects, and exams.
* Helped students acquire programming skills through assisting during laboratory hours.

**AMERICAN ISRAEL PUBLIC AFFAIRS COMMITTEE (A.I.P.A.C.), *SAN FRANCISCO, CA; WASHINGTON D.C.***

**Summer Intern,** *Summer 2014*

* Assisted in organizing a national student conference in Washington D.C. and led a briefing event for Bay Area interns.
* Acquired leadership and communication skills; met with senators, representatives, and other policy-makers on Capitol Hill.

**GLOBAL HEALTH RESEARCH FOUNDATION (G.H.R.F.), *STANFORD, CA***

**Summer Intern, Patient Outcomes and Environmental Monitoring System (P.O.E.M.S.) Project***, Summer 2012*

* Designed wireframes for the U.I. of an Android mobile application which improves data collection and retrieval in Bhutan. Data includes healthcare records and environmental sensory readings. [The project has been deployed by the ministry of Bhutan.]
* Scripted, storyboarded, filmed, and edited three user-specific tutorial videos for rangers, healthcare workers, and general users.

## LEADERSHIP EXPERIENCE

**ISRAELI CULTURE CLUB (“MISHELANU”), *BERKELEY, CA***

**President, Communications and Marketing Chair***, February 2015 – Present*

* Plans and leads social, cultural, and educational events for Israeli and Israeli-American students in Berkeley.

## SCHOLARSHIPS REFERENCES

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| * IBM Thomas J. Watson Memorial Scholarship 2014-2017 * Cal Alumni Ass. Leadership Scholarship 2013, 2014, 2015 * Saratoga Rotary Club Scholarship 2013 * Susie Nagpal Scholarship for Promising Leaders 2013 | 1. Dr. Dan Garcia: EECS Professor; Founder of B.J.C.   [ddgarcia@cs.berkeley.edu](mailto:ddgarcia@cs.berkeley.edu) (510) 517-4041   1. Dr. Joshua Hug: EECS Professor; C.S. 10 Lecturer Fall 2015   [hug@cs.berkeley.edu](mailto:hug@cs.berkeley.edu) (510) 301-5836 |