

# Yifat Amir

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## EDUCATION

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### 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

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

**Developer, May 2015 – Present**

- Developed a suite of autograding tools in JavaScript 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 Reader, Lab Assistant, August 2014 – Present**

- Developed rubrics for and graded homework assignments, programming projects, and exams.
- Helped students acquire programming skills through assisting during laboratory hours.
- Assisted in pedagogical planning and lab content development.

### 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

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### 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

- 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

## REFERENCES

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1. Dr. Dan Garcia: EECS Professor; Founder of B.J.C.  
[ddgarcia@cs.berkeley.edu](mailto:ddgarcia@cs.berkeley.edu) (510) 517-4041
  2. Dr. Joshua Hug: EECS Professor; C.S. 10 Lecturer Fall 2015  
[hug@cs.berkeley.edu](mailto:hug@cs.berkeley.edu) (510) 301-5836
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