

Yifat Amir

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY

Bachelors in Computer Science and Economics, *Junior*, GPA: 3.62

Current & Past Courses: *Algorithms & Intractable Problems, Discrete Math & Probability Theory, Data Structures & Algorithms, Interpretation of Computer Programs, Behavioral Economics, Natural Resource Economics, Industrial Organization, Intermediate Microeconomics, Macroeconomics, Multivariable Calculus, Linear Algebra & Differential Equations, Probability & Statistics.*

SKILLS & QUALIFICATIONS

- Programming languages: Python, Java, J.S., Scheme, SQL
- Experienced with the Git workflow
- Experienced with Adobe Flash, Premiere, and Soundbooth
- 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*

Snap! Autograder Developer, May 2015 – Present

- Developed a suite of autograding tools for “Snap!”, a visual drag-and-drop programming language used to teach computer science.
- Mapped and categorized all lab exercises, identifying unique problems that pose non-traditional grading challenges.
- Assisted in pedagogical planning for BJCx, an international online introductory computer science course on edX.

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 learn computer science skills & concepts through assisting them in completing programming lab exercises.
- Assisted in lab content development by creating lab quizzes and proofreading lab instructions.

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

Summer Intern, Summer 2014

- Assisted in organizing two national student conferences in Washington D.C., and led a briefing event for political interns.
- Boosted marketing and community outreach through research projects, event planning, and direct communications.

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

Summer Intern, Patient Outcomes and Environmental Monitoring System (POEMS) Project, Summer 2012

- Designed the user interface for an Android mobile application which improves healthcare 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

- IBM's Thomas J. Watson Memorial Scholarship 2014
 - Cal Alumni Ass. Leadership Scholarship 2013, 2014, 2015
 - Saratoga Rotary Club Scholarship 2013
 - Horace M. Albright Scholarship 2013
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