

Janna Golden

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EDUCATION

University of California, Berkeley

Expected May 2017

Majors: Computer Science, Cognitive Science

GPA: 3.6

Relevant Coursework

- Data Structures
 - Machine Structures
 - Discrete Mathematics and Probability
 - Linear Algebra and Differential Equations
 - Structure and Interpretation of Computer Programs
 - Artificial Intelligence
 - Introduction to the Internet: Architecture and Protocols **
 - Designing Information Devices and Systems I **
 - Computational Models of Cognition **
- ** In progress

WORK EXPERIENCE

Information Security Engineer Intern – Gap Tech/Gap Inc.

06/15 – 08/15

- Independently developed a utility that monitors the network connections of both an individual computer and the Gap network
- Worked in a group to develop a web app that provides information on Gap Inc.'s distribution centers and that easily allows updates, deletions, and additions to the information
- Participated in and shadowed security engineering team projects, meetings, and decisions

Undergraduate Student Instructor – EECS Department, CS 10

01/14 – Present

- Teach fundamental concepts such as recursion, higher order functions, algorithms, and algorithmic complexity
- Teach labs biweekly and discussion weekly
- Work with other UGSIs and the professor to construct assignments, projects, and exams

Research Assistant – Cognition and Action Lab

11/14 – 01/15

- Helped to write code in C for the program used by subjects during testing

Reader – EECS Department, CS 10

08/13 – 01/14

- Graded student assignments including homework, projects, and exams
- Constructed rubrics for assignments

PROJECTS

Network Connections Monitor – Python

08/15

- Monitors IP addresses a computer is connected to and those listed in the organization's firewall logs and reports location and risks associated with each connection
- Created GUI to display information and alerts cleanly and effectively

Distribution Center Profile Repository – MySQL, Node.js, AngularJS, CSS, HTML

08/15

- Worked with two fellow interns to create a web app that provides information on Gap Inc.'s distribution centers as well as the ability to update and edit the information in the browser
- Focus on usability and utility

LIFC Compiler – C, MIPS

07/14

- Wrote a compiler from the homebrew language LIFC to MIPS
- Wrote code that tokenized and parsed LIFC and then generated MIPS code

Network – Java

03/14

- Created a board game which can be played against a human player or a computer program (AI)
- Used the minimax algorithm with alpha-beta pruning to find the best move for the computer

SKILLS

Python, Java, NumPy, C, Git, MySQL, Node.js, HTML, CSS, JavaScript, MATLAB

LEADERSHIP EXPERIENCE

Vice President Finance – Delta Gamma Fraternity

01/14 – 12/14

- Construct and manage a \$750,000 budget
- Pay bills and manage other VPs' and directors' budget
- Collaborate with other vice presidents to solve internal problems

Lab Assistant – EECS Department, CS 10

06/13 – 08/13

- Helped students in CS10 lab complete lab exercises

HONORS

Dean's Honors List

Fall 2012, Spring 2013