LOIS HO

https://www.linkedin.com/in/loisho
lho@berkeley.edu | (626) 478-8944 | github.com/loisbho

OBJECTIVE

Interested in full-time employment in software development/engineering after graduation 2017.

EDUCATION

University of California, Berkeley   Expected May 2017
B.A. in Computer Science
- CS186 Database Systems
- CS169 Software Engineering
- CS170 Efficient Algorithms and Intractable Problems
- CS188 Artificial Intelligence
- CS61B Data Structures and Advance Programming
- CS61C Computer Architecture (Machine Structures)

EXPERIENCE

BACK END SOFTWARE ENGINEERING INTERN| Zaplabs   June 2016 – Present
- Improved ZAP, software for agents and brokers affiliated with ERA, Coldwell Banker, Century 21, NRT, Sotheby's, more
- Batch update of 29,000+ users, using Intercom Java API along with sending events to Intercom
- Displayed and filtered saved and viewed homes, searches, listings, transactions, history, and contact date for agents
- Worked with Spring framework, Oracle SQL, Intellij, Hibernate, and Java

SOFTWARE ENGINEERING INTERN| SmileyGo   March 2016 – May 2016
- Launched new products for data-driven philanthropy platform to empower corporations to give smarter
- Worked in a team of 6 to build reviews, ratings, and endorsements page with Ruby on Rails
- Incorporated TDD and BDD testing including Rspec and Cucumber tests—runs automated acceptance tests
- Two week iterations following Scrum, an Agile methodology

IT HELPDESK SYSTEM ADMINISTRATOR| UC Berkeley EECS Department   August 2014 – Present
- Troubleshot and diagnosed computer problems and facilitated DHCP connectivity
- Registered and updated systems in IRIS/EECS domain; performed inventory on software
- Assisted clients with excellent operational understanding of the technical support structure within EECS

SKILLS

- **Languages:** Python (5/5), Java (4/5), Ruby (3/5), SQL (3/5)
- **Web**: HTML (4/5), CSS (3/5), Ruby on Rails (3/5)

PROJECTS

PERSONAL WEBSITE| http://loisbess.com
- Built this website from scratch using HTML, CSS, and JavaScript/jQuery

TRANSACTIONS| Python
- Implemented a concurrency control manager which coordinates simultaneous transactions while preserving data integrity
- Specifics include protocols for Strict Two-Phase Locking and Deadlock Detection

GRAPH PACKAGE| Java
- Developed a graph package to provide methods for manipulating graphs that used traversals, such as breadth-first search, depth-first search, A* search, and Dijkstra's algorithm
- Allowed Trip-finder client to use the package to find the shortest distance with directions from a start and end point