

# LOIS HO

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## OBJECTIVE

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

## EDUCATION

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**University of California, Berkeley**  
**B.A. in Computer Science**

Expected May 2017

- 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

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**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

- Troubleshoot 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

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- **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

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**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

**CHAT APPLICATION** | **Python**

- Built a chat server that allows users to converse in different channels. Functionality include creating, joining, and exiting channels
- Specifics include Socket API and handles partial messages with buffer