Lois Ho

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Education

University of California, Berkeley	Expected Graduation May 2017
Computer Science	

Skills

Python(4/5), Java(4/5), C(2/5), HTML(3/5), CSS(3/5), JavaScript(2/5), Bash Scripting(1/5), Unix(3/5), Chinese(3/5), Microsoft Office(3/5), Map Reduce(3/5), Git/Github(3/5)

Work Experience

Department	University of California, Berkeley
	Instructional and Research Information Systems /Electrical Engineering and Computer Science
Job Description	IT Helpdesk System Administrator
	1. Troubleshooting and diagnosing computer problems and facilitated DHCP connectivity, in person assistance and through RT-ticketing system
	2. Register and update systems in IRIS/EECS domain; inventory on software
	3. Good operational understanding of the technical support structure within EECS to assist clients

Projects | Description | Important Concepts

Projects	Description	Important Concepts
Trip Finder, Java	Used OOP design pattern to implement a graph package to support two clients. Find shortest/ best trip given two locations	√ Implementation includes directed, undirected graph, BFS, DFS, A*, Dijkstra Algorithm, shortest path, and traversal module
2048, Java	Used OOP to reproduce the widely played Game as a Java application	√ Implementing efficient algorithms √ Learned the relationship between front and back end
Relational Database Management System, Java	Effectively implementing a query language of SQL to create a program that had the ability read text-based tables	√ Scanning for user inputs, parsing code √ Displaying tables and exporting them a text file
Ghostbusters, Python	Design Pacman agents that use sensors to locate and eat invisible ghosts	√ Implemented algorithms for performing exact and approximate inference using Bayes' Nets.
Personal Website	Link: loisbho.github.io	√ Implemented from scratch HTML, CSS, and JavaScript/jQuery.

Relevant Courses

CS186	Intro to Database Systems	Spring 2016, Hellerstein & Gonzalez
Info290T	Data Mining and Analytics	Spring 2016, Pardos
CS170	Efficient Algorithms and Intractable Problems	Fall 2015, Prasad & Sanjam
CS188	Artificial Intelligence	Fall 2015, Russell
CS61A	Structure and Interpretation of Computer Programs	Spring 2014, Hilfinger
CS61B	Data Structures and Advanced Programming	Fall 2014, Hilfinger & Hug
CS61C	Computer Architecture(Machine Structures)	Spring 2015, Asanovic & Vladimir