Erica Linn Meng

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EDUCATION

University of California, Berkeley

B.A. Cognitive Science; Minor: Computer Science   Expected graduation, May 2017

Relevant Coursework: Structure and Interpretation of Computer Programs, Data Structure, Machine Structure, Artificial Intelligence, Ruby on Rails, 3D Modeling and Animation DeCal, Web Design Decal, Introduction to Database

TECHNICAL SKILLS

- **Programming Languages:** Python, C, Java, SQL, Scheme, HTML, and Ruby on Rails
- **Operating Systems:** Windows Vista/7+, Mac OS X, Ubuntu
- **Software:** Microsoft Word, PowerPoint, and Excel; Adobe Illustrator and Photoshop; Eclipse; Sublime; Mars; Autodesk Fusion 360, Adobe Premier Pro
- **Additional Skills:** 3D modeling and animation, rendering, video editing
- **Language:** Mandarin and English

ACADEMIC PROJECTS (www.github.com/ericalmeng)

Search in Pacman, Python (2016)
- Implemented program to solve Pacman using different searches, including DFS, BFS, UCS, a* search, and adversarial search.
- Improved search by designing heuristics, evaluation functions, and different Pacman agents.

PokePortal, Ruby on Rails (2016)
- Programmed Rail application enabling various functions allowing players to interact with each other.
- Successfully resolved error problem by using online sources to research and understand causes.

Beargit, C (2015)
- Coded version-control system similar to Git with following functionalities: init, add, status, remove, commit, log, branch, and checkout.
- Used CUnit testing to validate correctness of the program and learned intricacies of Git's implementation.

NGordNet, Java (2015)
- Coded generic Abstract Data Structures to analyze the hyponyms, relative popularity of words, categories and lengths of words over time using Zipf's law.
- Effectively utilized the semantic lexicon WordNet Google's Ngram dataset and TimeSeries with YearlyRecord to aid the NGordNet User Interface.

RELEVANT EXPERIENCE

Buckete

Marketing/Sales Assistant, Marketing/Sales Department   Jun 2016 – Aug 2016
- Created promotional articles and ads.
- Assisted coworkers in product searching, researched marketing trend and analyzed marketing data.
- Translated Chinese posts into English.

UC Berkeley

Lab Assistant, Electrical Engineering and Computer Sciences Department   Jan 2015 – Dec 2015
- Instructed computer science students to understand concepts such as recursion, inheritance, and data abstraction.
- Engaged students in laboratory application of coding concepts.
- Taught computer architecture concepts including low-level language, processor design, parallelism, caches/virtual memory, and dependability through ECC/RAID.

VOLUNTEER

Catholic Charities of East Bay – Oakland, CA

IT Volunteer, IT Department   June 2016 – Present
- Assisted director with troubleshooting basic computer problems and assigned physical inventory of equipment to staffs.
- Updated email distribution groups and employee lists in Google Apps.
- Developed and maintained lists of CCEB employees, volunteers, and interns by location.

St. Cornelius Catholic School – Richmond, CA

Teacher Assistant, Kindergarten   Sept 2015 – Dec 2015
- Assisted with daily classroom activities such as reading to children and facilitating arts and crafts with a group of seven students.
- Tutored children in mathematics and English.
- Facilitated team-building activities for the students.