

George Lee

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Education

M.S. in Computer Science, University of Hawaii at Manoa, Honolulu, HI
Expected graduation date: May 2012

B.S. in Mathematics, University of Washington, Seattle, WA, June 2004
Minors in Chemistry and Physics

Skills

Languages: Experience with Python, Java, Ruby, C, Objective-C, LaTeX, SQL, HTML/CSS, and Javascript

Tools/Frameworks: Django, Ruby on Rails, jQuery, and jQueryUI for web development. Selenium for testing web applications. Cocoa Touch, Xcode, and Instruments for iOS development. Eclipse, JUnit, and Ant for Java development. Some experience with the Android SDK.

Projects

Makahiki

- An open source web framework for creating university dorm energy competitions.
- Implemented using the Python and the Django web application framework.
- Interacts with WattDepot (<http://code.google.com/p/wattdepot>) to present near-real time energy information to participants.
- Incorporates gamification concepts such as a point system, badges, and administrator defined quests.
- Source code available at <http://github.com/keokilee/makahiki>.

iGeoRSS

- iPhone application that acts as a reader for the GeoRSS format.
- Stories can be viewed as a list or on a map using MapKit.
- Orders GeoRSS stories based on the current location of the user.
- Source code available by request.

More projects can be found at <http://sites.google.com/site/keokilee/projects>

Publications

Brewer, Robert, George Lee, and Philip Johnson, *The Kukui Cup: a Dorm Energy Competition Focused on Sustainable Behavior*, Proceedings of the 44th Hawaii International Conference on System Sciences, January, 2011, full text available at <http://csdl.ics.hawaii.edu/techreports/10-07/10-07.pdf>

Experience

Research Assistant, University of Hawaii at Manoa 6/10 to Present

- Developing a web application for the Kukui Cup, a dorm energy competition to be held in October 2011.
- Involved in both the programming and the overall design of the competition.
- Performed a usability test to evaluate the design of the web application.

Student Assistant, University of Hawaii at Manoa 8/09 to 9/10

- Assisted on a grant that investigated bridging connections between small, specialized social networks.
- Supported a study involving students in an entry-level computer science class.
- Implemented design changes and bug fixes on the web site (<http://3helix.org>).
- Performed data retrieval to support analysis of the results.

Summer Intern, Maui High Performance Computing Center 6/09 to 7/09

- Created a web application designed for scientists who want to run tasks on the super computer but are unfamiliar with the UNIX command line.
- Created a web form that generates a script for the scheduler and runs it on the super computer.
- Used HTML, Javascript, and CSS to interact with a SOAP API.
- Presented and demonstrated the application to potential users.

Intern, Peer News 2/09 to 6/09

- Developed a prototype iPhone Twitter application that used Peer News' API.
- Worked closely with a designer to develop the user interface.

Research Assistant, University of Hawaii at Manoa 8/07 to 7/09

- Performed a data analysis of over 8000 users in a MySQL database for a second language learning website in Japan.
- Fixed bugs and implemented new features in Discourse, a Ruby on Rails application developed by the Laboratory for Interactive Learning Technologies (<http://discourse.ics.hawaii.edu>).
- Interacted with users of Discourse if they encounter bugs in the system.
- Collaborated with other researchers to develop mobile location-based applications for the iPhone.

Computer/Clerical Specialist, University of Hawaii at Manoa 6/06 to 8/07

- Worked with researchers in the College of Education's Curriculum Research and Development Group (CRDG) to resolve computer software and hardware issues.
- Gained experience solving issues in Mac OS X and Windows 2000/XP.
- Set up audio and visual equipment for both classrooms and larger functions.

About

This resume was compiled using LaTeX. The source files are available at <http://sites.google.com/site/keokilee/files>