

# KEVIN LEUNG

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## EDUCATION

9/07 – 3/12

**Stanford University**, Stanford, CA

- B.S. Symbolic Systems. (Includes Computer Science, Psychology, Linguistics, Philosophy)
- M.S. Computer Science, concentration in Artificial Intelligence
- Coursework: Machine Learning, Natural Language Processing, Social and Information Network Analysis, Probabilistic Graphical Models, Neural Networks, Artificial Intelligence, Cryptography, Human-Computer Interaction, Cognitive Psychology, Cognitive Development, Psycholinguistics

## TECHNICAL SKILLS

- **Languages:** Java, C/C++, Lisp, MATLAB, Bash/UNIX
- **Web Tools:** Python/Django, Javascript/jQuery, MySQL, HTML/CSS, mturk
- **Mobile Development:** iPhone SDK, Flash Lite

## EXPERIENCE SOFTWARE ENGINEERING

7/10 – present

**Co-Founder & Lead Engineer**, Zanbato, Web Application Startup, Mountain View, CA

- Member of the initial engineering team to build a platform for large infrastructure listings
- Design the MySQL database for structuring financial data
- Write back-end logic using Python/Django and the front-end using HTML, CSS, and Javascript/jQuery
- Member of the product team to determine and design the development roadmap

6/08 – present

**Co-Founder & Engineer**, StackMap, Web Application Startup, Stanford, CA

- Member of a 4 person team founding a company to develop a web app for mapping libraries
- Design and write the model for libraries using the Django framework with MySQL
- Focus on the user interface using HTML, CSS, and JavaScript/jQuery
- Work with libraries to integrate StackMap into existing online catalogs

6/09 – 9/09

**Software Engineering Intern**, Apple, Cupertino, CA

- Wrote a test harness on the System Image Utility team in Mac OS Server
- Used an automation framework and shell scripts to automatically boot machines into created images
- Configured and booted virtual machines as test machines using VMware Fusion
- Wrote documentation on how to use the script as a test platform for other teams

## RESEARCH/TEACHING

6/10 – 3/12

**Research Assistant**, Stanford Psychology Department, Stanford, CA

- Compared experimental data and a model from corpus data to evaluate linguistic theory
- Modeled induction tasks using Monte Carlo methods (Particle filtering)
- Designed and ran behavioral experiments using Mechanical Turk
- Modeled probabilistic inference using a neural network
- Modeled visual search and attention with a neural network
- Reimplemented software modules to train neural networks more efficiently using GPUs

4/08 – 8/10

**Section Leader**, Stanford Computer Science Department, Stanford, CA

- Taught ~10 person sections to supplement lecture material from Programming Methodology/Abstractions
- Assisted students by grading, lecturing, tutoring, and helping at the computer cluster
- Developed an in-depth knowledge of Java and C++ syntax and errors

6/08 – 6/09

**Research Intern**, Computational Learning Laboratory, Stanford, CA

- Wrote concepts and skills for a football agent in a cognitive architecture using Lisp
- Ran simulations and analyzed data from data mining in parameter learning
- Designed and implemented a theory revision module
- Tested and provided feedback on football simulation software

## PUBLICATIONS

Ali, K., Leung, K., Konik, T., Choi, D., Shapiro, D. (2009). Knowledge-Directed Theory Revision. *Inductive Logic Programming 2009, LNCS*, 2010, 5989, 1–8. <http://kevinleung.com/docs/ILP09.pdf>

## OTHER EXPERIENCE

Worked with children at Bing Nursery School, write creative nonfiction, designed and taught a student-initiated course on Magic: the Gathering, and worked on various other project viewable at my website.