

# Shilpa Balaji

shilpa@shilpabalaji.com • (925) 577-8184 • San Ramon, CA

## Education

**Carnegie Mellon University** (2009-2013)

B.S. in Computer Science

Minor in Business Administration

Minor in Language Technologies

## Skills

**Fluent in:** Java, C, Python

**Familiar with:** SML, Perl, Lisp

**Software & Tools:** Vim, Eclipse, Git, Mercurial, Weka, LibSVM

## Experience

**Carnegie Mellon University, SCS** – Undergraduate Researcher Fall 2012

Constructing and analyzing network models for a neural development project concerned with the effects of the rate of synaptic pruning on efficiency and robustness.

**Medallia, Inc.** – Software Engineer Intern Summer 2012

Created a machine learning-based solution to extract useful customer feedback. Set up a ML framework to integrate external tools into system. Contributed to product design.

**Carnegie Mellon University, SCS** – Undergraduate Researcher Fall 2011

Designed and implemented an algorithm to extract location information from tweets.

- Gelernter, J. and Balaji, S. (2012). *An Algorithm for Local Geoparsing of Microtext*

**Cisco Systems** - Software Engineer Intern Summer 2011

Worked on back-end development, design, and automated functional simulations of features for a web-based desktop using Java, Selenium, and OpenSocial gadgets.

**Carnegie Mellon University, SCS** – Course Assistant Fall 2010

Assisted students in a data structures course by grading assignments and tutoring.

## Coursework

- **Computer Science/Math:** natural language processing, operating systems, algorithms, calculus III, combinatorics, probability theory, matrix algebra
- **Language:** cognitive psychology, general linguistics, grammars and lexicons, infant language acquisition, language & statistics
- **Business:** marketing, global business, economics, technical communication

## Other

**CMU Mock Trial** - President (formerly: Vice President, Captain) Fall 2009 - present

Debating on an award-winning, nationally competitive team. Coordinating funds and activities of three teams (total of thirty people). Won 5 individual and 4 team awards.

**East End Cooperative Ministry** – Volunteer Tutor Fall 2009

Mentoring and providing science lessons to groups of underprivileged 5th graders.

**Jewish Vocational Service** – Technology Access Center Volunteer Summer 2010

Facilitated computer skill development for job-seekers through training & workshops.