

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) 2009-2013

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 Mentor Fall 2009

Mentoring at-risk 5th graders. Instructing students in 5th grade mathematics.

Jewish Vocational Service – Technology Access Center Volunteer Summer 2010

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