

Shilpa Balaji

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Education

Carnegie Mellon University (2009-2013)

3.4 / 4.0

B.S in Computer Science

Minors: Language Technologies, Business Admin.

Skills

Fluent in: Java, C, Python

Familiar with: SML, Perl, Lisp

Software & Tools: Vim, Eclipse,
Git, Mercurial, Weka, LibSVM, ACT-R

Experience

Carnegie Mellon University, SCS – Undergraduate Researcher Fall 2012

Constructing and analyzing neural network models for a neural development and plasticity project concerned with the rate of synaptic pruning.

Medallia, Inc. – Software Engineer Intern Summer 2012

Worked on the text analytics product. Created a machine learning-based solution to distinguish between useful and non-useful customer feedback. Set up a machine learning framework to interface between external tools and the existing codebase.

Carnegie Mellon University, SCS – Undergraduate Researcher Fall 2011

Designed and implemented an algorithm to geo-parse microblog text (tweets). Project involved identifying localized places, finding streets, and disambiguating abbreviations.

- 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, API 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.

Jewish Vocational Service – Technology Access Center Intern Summer 2010

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

Coursework

- **Computer Science/Math:** natural language processing, operating systems, functional programming, algorithm design and analysis, computability and incompleteness, calculus, combinatorics, probability theory, matrix algebra
- **Cognition/Language:** cognitive modeling, cognitive psychology, linguistics, grammars and lexicons, language acquisition
- **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.