

Shilpa Balaji

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Education

Carnegie Mellon University (2009-2013)

B.S. in Computer Science

Minor in Language Technologies

Minor in Business Administration

Skills

Fluent in: Java, C, Python

Familiar with: SML, Perl, Lisp

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

Work 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.

Projects

- Designed and developed a basic, multi-threaded, CLI operating system from scratch.
- Implemented a classifier that distinguished between text from natural language and text generated using a trigram language model. Achieved approx. 85% accuracy.

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 9 individual and 7 team awards.

Kenai Fjords Tours – Customer Service Agent Summer 2013

Sold and answered questions about Alaskan tours, lodging, and transportation.

Higher Achievement – Tutor Fall 2013

Mentoring groups of at-risk 5th graders. Instructing students in 5th grade math.

Jewish Vocational Service – Technology Access Center Intern Summer 2010

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