

# 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, HCII** – Undergraduate Researcher Spring 2013

Worked on data analytics for an iPad application to assist special education instructors.

**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.

**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 5<sup>th</sup> grade math.

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

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