Jessica Su
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Education

- **Stanford University** — Palo Alto, CA
  PhD student, Computer Science — *September 2013 - present*
- **California Institute of Technology** — Pasadena, CA
  B.S., Computer Science (3.8 GPA) — *September 2007 - June 2013*

Work Experience

- **Stanford InfoLab** — *Research Assistant, Fall 2013*
  - Looking for algorithms to generate random graphs with specific properties.
- **SKIES** — *Intern, Summer 2013*
  - Built image search for a collaborative education app.
- **Protabit LLC** — *Intern, Summer 2012*
  - Used Python and Perl to analyze the efficacy of protein design software.
- **MIT Department of Brain and Cognitive Sciences** — *Intern, Summer 2010*
  - Ran computer-based experiments to explore how people learn new words.
  - Used Python to build the experiment website and interface it with Amazon Mechanical Turk.
- **Caltech Department of Biology** — *Intern, Summer 2006*
  - Used C to stochastically model how fast selfish genes spread into a population.
  - The model led to three publications and changed the research focus of the lab.

Projects

- **Netflix challenge** — *Fall 2012*
  - Predicted movie ratings from training data. Ranked 14th in class competition.
- **Scrabble** — *Summer 2011*
  - Wrote a curses-based Scrabble clone in Python.

Publications

- **6 journal articles:** three in biology, two in mathematical psychology, one in mathematical physics. One paper published in *Science*. **2 presentations,** both in mathematical psychology. **Research featured in** Scientific American, New Scientist, Smithsonian Magazine.

Skills

- **Computer skills:** Python, Unix, C++, Java, MATLAB
- **Classes:** Algorithms, systems, machine learning, databases, complexity theory, computability theory, real analysis, abstract algebra, stochastic processes, combinatorics, dynamical systems, quantum mechanics

Awards

- Lingle Scholarship (2007, awarded to top two freshmen in incoming class)
- Axline Scholarship (2007, full ride merit scholarship)