# A n g e l a   J i a n g

## Education

### Northwestern University

**B.S., Computer Science**                                       GPA: 3.516 on a 4.0 scale
Graduation date: June 2014                               Major GPA: 3.900 on a 4.0 scale

## Research Interests

Networking and distributed systems; including peer-to-peer systems, Internet routing, congestion control and datacenter networking

## Research Experience

**Northwestern; AquaLab**; Undergraduate research assistant                Spring 2014-Current

- Conducts research for AquaLab Group, EECS Dept. Northwestern
- Research in large-scale distributed systems and networking

## Research Projects

### cliq: A distributed social news site;

We design and build **cliq**, a fullly decentralized social news site. Unlike other media, social news depends on users to upload content, vote, and ultimately determine what content is news. However, we observe that centralized architectures of exisiting curators lead to potential content bias and data aggregation of users. This is particularly damaging to the "Web democracy" that social news sites try to provide. The goal of cliq is to provide a social news site that is resilient to both issues. Our second contribution is a large-scale analysis of reddit, used to inform our design of cliq.

### Collateral damage of Internet censorship;

Many ISPs and governments choose to apply Internet censorship to certain networks. However, external traffic routed through these networks may be censored incidentally. We attempt to detect and measure the collateral damage caused by a variety of censorship methods. We implement an endhost application to detect Internet censorship and must determine the cases that are due to collateral censorship.

## Publications

A cliq of content curators
*A. Jiang, Z. Bischof, F. Bustamante.*
Poster at ACM SIGCOMM 2014.

## Professional Experience

**Groupon**; Software Developer                                              Fall 2014-Current

- Developing system to process Groupon customer data in real time
- Technologies used - Coffeescript, Node.js, Clojure

**Amazon**; Software Developer Intern                                          Summer 2013

- Designed and implemented data visualization tool for click stream data
- Technologies used: D3.js, Python, Sqlite, Amcharts

**DSC Logistics**; IT Intern                                                  Summer 2012
- Involved with design of a new employee intranet

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✉ to.ajiang@gmail.com                                                     Chicago, IL 60657

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## Skills

- Primary Languages: Python, Go, C/C++, JS/coffeescript
- Exposure to: Clojure, Node.js, MySQL, Latex
- Other: Unix/Linux, Git, Mercurial, PlanetLab

## Awards

**ACM Student research award - SIGCOMM 2014**
First place - undergraduate category
A cliq of content curators

## Leadership and Volunteer Experience

**NUSTARS**; Educational Chair                                                      2012-2014

- In charge of educational outreach for Northwestern rocketry team
- Annual minimum outreach of 100 students and educators

**Computer Science in Haiyang**;                                                    2011-2013

- Taught at summer computer camp in Haiyang, China
- Helped design and launch first computer course in Haiyang High School

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