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, system security and data center 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 fully 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 existing 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 in Proc. of ACM SIGCOMM 2014   **Won Best Undergraduate Poster**

Professional Experience

Groupon; Software Developer   Fall 2014-Current

- Builds system to process 150K msg/sec of streaming A/B testing data
- Using clojure, Kakfa, Storm, Hadoop and Spark

Amazon; Software Developer Intern   Summer 2013

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

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

Skills

- Primary Languages: Python, Go, Clojure, C, Node.js
- Other: Unix/Linux, Git, Storm, Kafka, Hadoop, PlanetLab

☎ (616) 635-9604   3218 N. Halsted Apt 2N
✉ to.ajiang@gmail.com   Chicago, IL 60657

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Awards

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

Dean's list - high honors
Fall 11, Fall 12

Dean's list
Spring 12, Fall 13, Winter 14

Leadership and Volunteer Experience

SIGCOMM 2015; C2B(I)D workshop volunteer   Aug. 2015

SIGCOMM 2014; General volunteer   Aug. 2014

NUSTARS; Educational Chair   2012-2014

- In charge of educational outreach for Northwestern's NUSTARS student group
- Annual minimum outreach of 100 students and educators

Computer Science in Haiyang;   2011-2013

- Started summer computer camp in Haiyang, China
- Integrated summer lessons into first computer course in Haiyang High School

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