Yu Chen
Software engineer

Marina del Rey, CA - Email me on Indeed:

Willing to relocate: Anywhere
Sponsorship required to work in the US

WORK EXPERIENCE

Software engineer
Snapchat   -   Venice, CA   -   June 2014 to February 2017

- Lead the design and implementation of sharing stories to Chat.
- Implemented chat bubble, media card and text formatting for Chat 2.0.
- Implemented the rendering flow for chat media in group chat.
- Implemented the Swipe to send feature for Snapcash. Coded in Objective C.
- Researched various stability issues related to Chat Attachments in Snapchat. Proposed and implemented solutions to make the chat product more stable in Objective C and Java.

Performance and capacity engineer, intern
Facebook   -   Menlo Park, CA   -   February 2013 to May 2013

- Designed and implemented TAOsim in Python. It simulates Facebook's distributed in-memory cache for the social graph.
- Implemented and analyzed different caching policies and configurations. Analyzed the limits of the cache hit ratio.

Capacity engineer, intern
Facebook   -   Menlo Park, CA   -   May 2012 to August 2012

Designed and implemented Fuchsia in PHP, JavaScript, MySQL and Hive. Fuchsia collects data from the backend samples,
computes and visualizes different metrics for different applications of Memcache.
- Systematically selected the right cache duplication policy for various applications, and reduced their average cache
response time or their usage of Memcache.
- Designed and implemented the CEA portal for the capacity engineering and supply chain teams in PHP, JavaScript and
MySQL. CEA portal facilitates the cross-team communications.
- Won the award for top contributors in the capacity engineering team.

EDUCATION

Master of Science
Duke University   -   Durham, NC
2010 to 2013

Bachelor of Science (First Class Honors) in Computer Science
National University of Singapore   -   Singapore
2006 to 2010

LINKS

http://www.cs.duke.edu/~yuchen

ADDITIONAL INFORMATION

Skills
Languages: Java, C/C++, Perl, Python, LTEX, Lisp, Prolog, MySQL, PHP, JavaScript, Awk.
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Operating Systems: Linux, TinyOS, Windows, OS X.
Network Simulators/Testbeds: ns2, Open vSwitch, Deterlab, TOSSIM, Motelab