

# JINGHAO YAN

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**Education** UC Berkeley (2011): EECS, Economics and Business Admin. (GPA: 3.95 cumulative, 4.0 major)

**Skills**

- Proficient with \*Nix shell; *Linux* (Ubuntu/Fedora); *SVN*, *Git*; and *Apache/Tomcat* servers
- Adept in *Regex*, *PHP*, *HTML*, *CSS*, *Javascript*, *Java*, *C*, *Python/Django*, *C#*, *MySQL/PostgreSQL*; familiar with *C++*, *Scheme*, *Actionscript/Flash*, *Assembly*, *JSP*; acquainted with *MapReduce* (*Hadoop*) and *Dryad* (*SCOPE*)

**Experience** Facebook, *Software and Web Developer in Ads: May-August 2010*

- Designed and implemented the mystery feature's UI using *Photoshop* and *HTML/CSS/Javascript*
- Architected the *database schema/structure* for maximum flexibility while maintaining clarity
- Implemented and optimized the back-end ad infrastructure with *C++* and *distributed-memcached*
- Derived pacing-support infrastructure using data-driven modeling (*Hive on Hadoop*)
- Analyzed the operational impact of the mystery feature with A/B tests

Microsoft, *Cosmos SDET (Distributed File & Processing System within Bing): May-August 2009*

- Developed visualization/monitoring tools for large-cluster distributed systems jobs in *C#* and *C++*
- Implemented and executed functional, stress, performance and recoverability tests in simulation and production (*C#*) and integrated them into the existing release-criteria tracking system (*GTI*)
- Wrote *SCOPE* scripts to mine terabytes of timing data and used *Excel* for performance analysis

OriginXT.com (Personal forum), *Administrator & Developer: July 2003-Present*

- Designed and developed a Facebook Application (*OriginBrowser*) to complement the website
- Redesigned the site for efficient indexing by search engines (*Search Engine Optimization*) by using *.htaccess* and output buffer processing with *regex*

UC Berkeley Haas School of Business, *Web Developer: January 2008-Present*

- Produced and analyzed usability and traffic reports (*CTRs*, search key words, user origins, etc)
- Programmed, debugged and extended data-processing and file-serving *PERL* scripts
- Implemented miscellaneous websites such as the Berkeley-Columbia Exec MBA program website

Miscellaneous Activities and Jobs

- **Researched** optimizations for *character-level taint tracking* under David Wagner et al with the sponsorship of *Intel's SRC* program
- Helped manage *HKN's* webservers and revamp the website using *Django*, *Javascript* and *HTML/CSS* (*Computing Services Officer*, May-December 2008)
- Maintained the Alumni Scholars Association website (Fall 2007-Spring 2009)
- Graded *Discrete Mathematics and Probability* (*CS 70*) problem sets (Spring 2009)
- Edited and managed lecture *PowerPoints* and module examinations for *UGBA 10* (Fall 2008)

Miscellaneous Freelance and Personal Projects (source and details available upon request)

- Designed and implemented *Social Futures* (using *PHP/MySQL*), a Facebook application intended to become the social platform for future forecasting (similar to *Popular Science's PPX*)
- Created an *AJAX* pit simulation web application using *Python/Django* for pedagogical purposes

**Profile**

- Awarded the **Alumni Leadership Scholarship** for distinction in leadership
- Member of **HKN** (National EECS Honor Society), **TBP** (Engineering Honor Society), and **IEEE**
- *Runner-up* in the '09 Cisco/Deloitte Case Competition; participant in the IBM ('08), Goldman Sachs ('08, '09), PricewaterhouseCoopers ('08), and Bain & Company ('09) case competitions