Kenneth Lin

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Work Experience

July 2012 – August 2012

Software Intern at Baidu, Inc.
Big Data

- Designed and performed a custom Holt-Winters time-series analysis on page-view data. The model, accounting for irregularities due to Chinese lunar holidays, was created using R and C
- Created scripts to partially automate the restructuring of all of Baidu's logs into a new, more orderly format. Worked with bash and MySQL

May 2012 – July 2012

Process Engineering Intern at Beijing Hyundai
Logistics / Electric Works

- First-hand experience of harsh conditions and rapid pace of factory work in China, and the resulting corporate culture
- Witnessed setup and organization of a modern automobile factory, as well as the optimizations taken and the importance thereof
- Learned fascinating details about technology and issues in hybrid and electric cars

Projects

November 2012

RC Car Hacks at H@B-IEEE Hackathon
Best Hardware Hack

- Two remote control (RC) cars were enhanced as this hardware hack
- One used an electroencephalogram (EEG) to detect brain waves and used variations in these brain wave signals to control the movement of the car
- Another was mounted with a Wii controller and a ultrasonic sensor to detect nearby 'targets', after which it would throw out its scorpion-like tail to sting the target with camera capacitors
- Awarded "Best Hardware Hack"

November 2012

Hack at Chain Reaction Hackathon
First Place*

- Rube Goldberg machine that intertwined software with hardware, chaining a myriad of otherwise completely unrelated components
- APIs and languages such as Twilio, Facebook, Arduino, Node.js, Android, JavaMail, PySerial
- *Awarded first place, but we forfeited our place because we started our project before the hackathon so that we could finish the project, which was more important for us than winning a prize.

Education

2011 – Present	**Bachelor of Science**
	ELECTRICAL ENGINEERING & COMPUTER SCIENCE
	GPA – 3.90, Technical GPA – 3.92
	University of California - Berkeley
2007 – 2011	**IB Diploma**
	GPA – 4.08
	International School of Beijing

Awards

2012	**Best Hardware Hack**
	H@B-IEEE Hackathon
2010	**Schoolwide Top Achiever**
	American Mathematics Competition
2009	**Gold Standard**
	Fryer Mathematics Contest

Technical Skills

Fluency	Python, Java, Linux/bash
Experienced	HTML, JavaScript, CSS, LaTeX
	web design, node.js (express.js), C
	Arduino, MIPS Assembly, Scheme
Learning	R, Sage, Cython, OpenMP

Languages

ENGLISH · CHINESE · FRENCH · JAPANESE

Interests

SELF-IMPROVEMENT · MOTIVATION · AI · BCI
SOCIAL DYNAMICS · LEARNING · LONGBOARDING
LEARNING JAPANESE · PIANO · BODYBUILDING

Organizations

NATIONAL SOCIETY OF COLLEGIATE SCHOLARS
HACKERS @ BERKELEY · ORATORY @ BERKELEY
TAU BETA PI