

# Resume

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**Yang Ye**

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## Education Background

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09/2009~present **Ph.D. candidate** in Computer Science, Columbia University, New York

08/2006~07/2009 **Bachelor of Engineering**, Special Pilot Computer Science Class, Tsinghua University, Beijing, P.R.China (China's best undergraduate CS program in China's topmost university) **GPA: 87.5/100**

08/2005~07/2006; **Academic Talent Program**, School of Science, Tsinghua University, Beijing, P.R. China

## Internship and Academic Experience

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**Internship in IBM Almaden Research Center,** 6/2010~9/2010

- Research topic: Compressing memory data structure based on llvm (low-level virtual machine)

**Research Assistant in Dept. of Computer Science, Columbia University** 9/2009~present

- Research topic: Databases on Multi-Threaded, Multi-Core machines. Architecture-Sensitive Databases.
- One SIGMOD 2010 paper published

**Internship in Microsoft Research Asia (MSRA) WSM Group** 8/2008~12/2008

- Research topic: web search and data mining

**Internship in IBM China Research Laboratory Information Visualization Group** 5/2008~7/2008

- Research topic: extracting structured information from web; applying various data analysis tools (association mining, text mining, NPL, and time series analysis) to pre-process data before visualization.

**ACM Student Member; IEEE Student Member; ACM SIGMOD Student Member**

## Publications

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- Kenneth Ross, John Cieslewicz, Kyoho Satsumi, **Yang Ye**, "Automatic Contention Detection and Amelioration", for ACM SIGMOD Conference on Management of Data (SIGMOD2010)
- **Yang Ye**, Yu Zheng, Yukun Chen, Jianhua Feng and Xing Xie, "Mining Individual Life Pattern Based on Location History", for 10<sup>th</sup> International Conference on Mobile Data Management (MDM 2009)
- **Yang Ye**, Yu Liu, Chi Wang, Dapeng Lv and Jianhua Feng, "Decomposition: Privacy Preservation for Multiple Sensitive Attributes", in 14<sup>th</sup> International Conference Database Systems for Advanced Applications (DASFAA2009)
- **Yang Ye**, Qiao Deng, Chi Wang, Dapeng Lv, Yu Liu and Jianhua Feng, "BSGI: an Effective Algorithm towards Stronger l-diversity", in 19<sup>th</sup> International Conference on Database and Expert System Application.(DEXA2008)

## Selected Projects

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- **GIY**: game it yourself, with 5 other members, building an online gaming DIY system. Using tools including PHP, Javascript, Ajax, CSS, html, MySql. It's a course project, rated as "the best project in three year"
- **CardShake**: It's an iphone application, with 3 other members, building an automatic scan and recognition software on iphone, using the Optical Character Recognition open source engine. Users can use cardshake to take a picture of the business card, the software will automatically scan it and recognize the contact information, as well as manage it.

## Most Valuable Honors and Rewards

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**Patent Award:** US Patent. MS 327762.01 MS1-4846US, "Mining Life Pattern Based on Location History", 9/17/2009

"**Star of Future**" honorary title by Microsoft Research Asia 12/2008

“**Star of Scientific and Engineering**” by Tsinghua University

*11/2008*

- Tsinghua’s highest honor on students’ scientific research. 10 out of all undergraduates and graduates.

“**SIGMOD Undergraduate Scholarship**” by ACM SIGMOD

*6/2008*

- SIGMOD is world’s leading conference in database research community. Totally 5 undergraduates in the world receive this award every year.

## **Skills**

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C/C++/Java/PhP/Perl

Professional English writing and fluent speaking; experienced in teamwork and leadership in projects.