



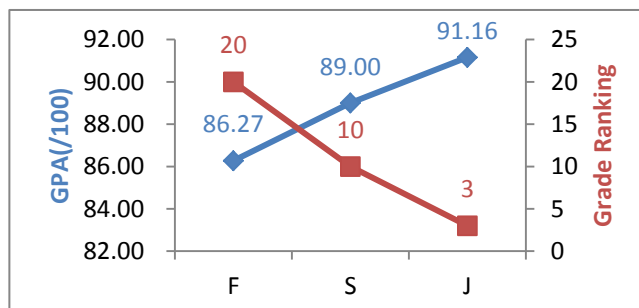
# Peng Qi

**Address:** RM 316A, ZJ BLDG 1#,  
Tsinghua University,  
10084 Beijing, China  
**Phone:** +86-151-2000-3420  
**Email:** [qipeng.thu@gmail.com](mailto:qipeng.thu@gmail.com)

## Education

**Degree Pursued:** Bachelor of Engineering  
**University:** Tsinghua University  
**Major:** Computer Software  
**GPA & Ranking:** Overall GPA 88.47/100,  
ranked 8/59

For more detailed annual view please refer to the diagram on the right  
(F=Freshman, S=Sophomore, J=Junior)



### Major Courses

Advanced Data Structure	99	Introduction to Artificial Intelligence	96
Principles of Compiler Design	97	Principles of Database Systems	92
Formal Language and Automata	99	Computer Organization and Design	85
Elements of Algorithm Design and Analysis	90	Software Engineering	92

## Honors

### Scholarships

- 2011 National Scholarship (2 out of 59 in the grade)
- 2010 Citibank Scholarship (Only top 10 students in the grade are eligible)
- 2009 Ge-Ru Zheng Scholarship (for excellence in learning)
- 2008 Freshman Scholarship (3<sup>rd</sup> of Guizhou Province in Nat'l College Entrance Exam)

### Awards

- 2011 Third Prize in the 4<sup>th</sup> Tsinghua Software Design Contest
- 2010 Award of Merit in the 3<sup>rd</sup> Tsinghua Software Design Contest
- 2010 Third Prize of Winter Practice Reports (Investigation Report in Tianlong, Guizhou)
- 2009 Second Prize in National College Students' Contest in Physics (Non-Physics-Major Group)
- 2008 Third Prize in the 10<sup>th</sup> Team A.I. Contest (Ranked 5<sup>th</sup>)

## Experiences

### Volunteer Services

- 2011 Volunteer of Tsinghua University's 100<sup>th</sup> Anniversary
- 2010 Investigation of local traditional drama in Tianlong, Guizhou
- 2009 Volunteer Teacher in Math at Gou-Diao-Yan Village Elementary School, Guizhou Province
- 2008 Primary teacher of my high school's summer school of Olympiad in Informatics (3 times)
- 2008 Returning to my high school as an honored alumnus to give lectures to the students (2 times)
- 2008 Computer Teaching Assistant in Shu-Ren Elem. School for Migrant Workers' Children, Beijing

### Social Services

- 2011 Vice President of Dept. Student Union (in full charge of artistic activities and files, and the office)
- 2010 Chief of Dept. Student Union Office (in full charge of the Union's regulations and account)
- 2009 Vice Director of Dept. of Development of Student Union (in charge of activity planning and files)
- 2009 Vice Director of Dept. of Tech. of Students' Sci. & Tech. Association (in full charge of 3 academic lectures held on campus)
- 2008 Member of Dept. of Contest Affairs (Preparation for the 2<sup>nd</sup> Software Design Contest)

Research	<div> <div>2011.3 - 2011.8</div> <div> <div>■ <b>Short Text Classification with Universal Knowledge Base</b></div> <div>@ Institute of Information Systems and Engineering, School of Software</div> <div><b>Instructor:</b> Prof. Xiaoming Jin      <b>Co-operator:</b> Dr. Dou Shen</div> <div>Paper rejected by WSDM 2012 (-1-1+1), we are still working on improving it.</div> </div> </div> <div> <div>2011.8 - Present</div> <div> <div>■ <b>Node Clustering in Large, Sparse, Directed Graphs</b></div> <div>@ Institute of Computer Graphics &amp; Computer-Aided Design, School of Software</div> <div><b>Instructor:</b> Prof. Yushen Liu</div> </div> <div> <div>■ <b>Understanding Higher-level Features of Auditory Data with Deep Neural Networks</b></div> <div>@ State Key Lab of Intelligent Technology and Systems, Computer Science Department</div> <div><b>Instructor:</b> Prof. Xiaolin Hu      <b>Co-operator:</b> Hongtao Cai</div> </div> </div>
Selected Projects	<div> <div>■ <b>Growing Tree-Structured Self-Organizing Feature Map (GTS-SOFM) Based Phonetics Research System</b></div> <div>Responsible for transplanting the system from Linux to Windows and adding features</div> </div> <div> <div>■ <b>Tiandi 360 Survey System</b></div> <div>Designer for the database, and core developer of data access and the business logic</div> </div> <div> <div>■ <b>Office Website for Tsinghua Network Support Center</b></div> <div>Developer of business logic and participated in UI design</div> </div> <div> <div>■ <b>Quanr Microblog</b> (with OAuth SDK and mobile client)</div> <div>Team leader, and mainly in charge of business logic, UI design, and all representations</div> </div> <div> <div>■ <b>TexTriBute: A Text Retrieval System under Distributed Framework</b></div> <div>Core business logic developer, and proposed the algorithm for generating searching snippets</div> </div> <div> <div>■ <b>Semantic-Directed LR Grammar Analyzer</b></div> <div>Developer of the semantic-directed analysis part, which enables the analyzer to be used to fulfill some tasks of real-world compilers</div> </div> <div> <div>■ <b>Regular Language Analyzer</b> (with automata simplification and visualization)</div> <div>Developer of Regular Language to NFA part. Also worked on generating source .dot code for visualization (for GraphViz)</div> </div> <div> <div>■ <b>Economical Road Construction Planning Based on Geographical Information</b></div> <div>Modeled the real problem, developed algorithm for shortest-path, and the module for visualization</div> </div>
Skills	<div><b>The English Language</b></div> <div> <div><b>GRE(V/Q/AW):</b> 580(79%)/800(94%)/5.0(87%)</div> <div><b>TOEFL iBT(Total/R/L/S/W):</b> 115/30/29/26/30</div> </div> <div><b>Programming Capability</b></div> <div> <div><b>Languages:</b> C/C++, Java, C#, SQL, HTML/CSS, JavaScript, MATLAB</div> <div><b>TopCoder rating:</b> 1119 (constantly improving)</div> </div>

For my complete, up-to-date information, please visit my homepage at: <http://qipeng.info/>