

Xin QIAN

Email xinq@cs.cmu.edu · Tel (+1) 412-983-3408 · [GitHub.com/xeniaqian94](https://github.com/xeniaqian94) · Homepage www.cs.cmu.edu/~xinq
Address 5000 Forbes Avenue, Pittsburgh, PA 15213

RESEARCH INTERESTS

Information retrieval and natural language processing

EDUCATION

Master of Language Technologies, **Carnegie Mellon University** *Aug 2016 until now, Pennsylvania, US*

Bachelor of Engineering in Software Engineering, **Zhejiang University** *Oct 2012 - July 2016, Hangzhou, China*

- Major GPA: **3.95/4.00** Overall GPA: **3.9/4.0**
- Undergraduate Honors Program, Chu Kochen Honors College
- 2016 Excellent Graduation Thesis Award

Exchange student, David R. Cheriton School of Computer Science, **University of Waterloo** *Sept 2015 - Apr 2016, Ontario, Canada*

- Overall GPA: **88.2/100**

Exchange student, Department of Computer Science, **the University of Hong Kong** *Sept 2014 - June 2015, Hong Kong*

- Overall GPA: **4.21/4.30**, above the threshold of Dean's Honors 2014-2015 nomination

RESEARCH

Undergraduate research student in **information retrieval**, Data Systems Group, UWaterloo *Oct 2015 - Apr 2016, Ontario, Canada*

Advisor: Prof. Jimmy Lin

- Text Retrieval Conference (TREC) 2016 Real-Time Summarization (RTS) track:
 - Held full responsibility in implementing and administrating a track-wide baseline system YoGosling
 - Implemented a participating system YoGoslingLMGTFY for fine-grained push notification
- Interleaved evaluation methodology study: [1]
 - Implemented an interleaving strategy for retrospective summarization and prospective notification tasks
 - Validated the technique in comparison to a set of TREC 2014 & 2015 Microblog track evaluation metrics
 - Designed a pilot study A/B testing interface(Bootstrap+PHP+Javascript) for interleaved evaluation experiments
- Anserini, an open source IR platform on top of Apache Lucene:
 - Refactored a searcher server with embedded Jetty servlet container
 - Designed a Jersey RESTful API to connect Near Real-Time Searcher with mobile push broker

Research Assistant in **computer vision**, The Hong Kong Polytechnic University *May 2015 - July 2016, Hong Kong*

Advisor: Prof. Ajay Kumar

Proposed an improved reference point selection approach and improved the palmprint verification performance to 18.01% on right hand to left hand matching

PUBLICATION

- [1] Xin Qian, Jimmy Lin, and Adam Roegiest. Interleaved evaluation for retrospective summarization and prospective notification on document streams. In *Proceedings of the 39th International ACM SIGIR Conference on Research and Development in Information Retrieval*, SIGIR '16, pages 175–184, New York, NY, USA, 2016. ACM.

ACADEMIC TRAINING

Projects: Tiny image CIFAR10 classifier, vertical food recipe search engine, peptides and spectrum analytics tool

Programming: C/C++, Java, Haskell, Matlab/Octave, PHP, Python, MySQL, L^AT_EX[®]

Math: Calculus, Linear Algebra, Discrete Mathematics, Probability and Mathematical Statistics, Medical Statistics, Applied Statistics

Frameworks/Systems: SAS, Maven, Lucene, Jetty, Jersey, Django, Git, Linux, MapReduce, Spark