

# Yan Cao

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## Education

- 09/2011 – 06/2012 **Cornell University** MEng Electrical and Computer Engineering (ECE) **ITHACA, NY**  
• Master Engineering Design project won the 3rd prize of ECE demonstration; GPA: 3.42/4.0
- 09/2010 – 06/2011 **Queen Mary, University of London** BSc Electronic Engineering (EE) **LONDON, UK**  
• Recommended to complete the final year in Queen Mary, University of London based on previous 3-year excellent academic performance.  
• 1st Class Degree. Joint program with BUPT and received degrees from each university.
- 09/2007 – 06/2010 **Beijing University of Posts and Telecommunications** BSc Telecommunication Engineering **BEIJING, CHINA**  
• Scholarship for Excellent Academic Performance.  
• Major GPA: 3.53/4.0; Overall GPA: 3.36/4.0.

## Relevant Courses

Software Engineering • Advanced Network Programming • Java Programming • Telecommunication Systems  
Computer Networks&Telecomm • Microprocessor System Design • Probability Theory & Stochastic Process  
Enterprise Management • Product Development • Electronic Commerce • Financial Accounting

## Relevant Projects

- 09/2011 – 06/2012 **MEng Project: Video-Aware Wireless Networks** **ITHACA, NY**  
• Whole project received \$1M sponsorship provided by Intel, Cisco, and Verizon.  
• Discovering solutions for achieving multicast instead of unicast through broadcast channel.  
• Endeavor to implement multicast, error correction and feedback control at base station.
- 09/2011 – 12/2011 **Software Engineering Project: Improving the Course Management System** **ITHACA, NY**  
• Improved the CMS for Cornell University according to the client's requirement.  
• Was selected and assigned as a team leader out of 7 people for process management, discussion organizations, as well as presentations.
- 09/2010 – 05/2011 **Graduation Project: Android Bluetooth Application** **LONDON, UK**  
• Designed, developed and tested a Google Android application which realizes text, audio and video stream transfer between two Bluetooth devices.  
• Final presentation were favorably reviewed by the head of school network group.

## Experiences

- 02/2012 – 03/2012 **SPLAT**, Part Time Programmer **ITHACA, NY**  
• Fixed bugs and improved the UI and UE. Added notification for the shooter.  
• Gained experience of working in a startup company.
- 08/2010 – 09/2010 **ZTE**, Summer Intern (full time for 2 weeks) **BEIJING, CHINA**  
• Completed training course in the application of TD-SCDMA, WCDMA.  
• Operated and maintained the TD-SCDMA system.  
• Gained experience of using network management system ZXONM E300.
- 07/2010 – 10/2010 **Student Project Management System of Queen Mary**, Part Time Programmer **BEIJING, CHINA**  
• In charge of the part of manipulation of the user input.  
• Came up with the idea of the algorithm of escaping and Latex generating firstly in the group.  
• Optimized the daily self-check feature by introducing Django into the system.
- 07/2008 – 08/2008 **China Mobile Communications Corporation**, Summer Intern (full time for 4 weeks) **JIAXING, CHINA**  
• Managed the WAN connectivity of the whole city via over 15 main ADSL ports.  
• Monitored over 25 mobile communication links and 8 base stations of important factors like temperature, humidity and voltage in Jiaxing.  
• Processed over 50 ADSL service orders per day.

## Activities

- 09/2007 – 07/2008 **The Students' Union of Science and Technology Department** **BEIJING, CHINA**  
• Main lecturer and organizer of ADSL basics open lecture.  
• Technical consultant of several big competitions held in school, also a photo/video-taker.

## Specialized Skills

- Computer skills C, C++, Java, Python, LaTeX; HTML, JavaScript, JSP, Tomcat; Android
- Tools Eclipse, Android Virtual Machine, Matlab
- Languages Native Mandarin, Fluent in English, Intermediate in Japanese