

# YUFEI LIU

ANALYTICAL. COOPERATIVE. SELF-MOTIVATED.

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## EDUCATION

### Columbia University, School of Engineering and Applied Science

New York, NY

B.S. in Computer Science with minor in Economics

Expected May 2012

SAT: 2180/2400, Math: 800, Verbal: 640, Writing: 740

GPA: 3.90/4.00; Major GPA: 3.92/4.00

New Hope Foundation Scholar

### Relevant Coursework:

Object-Oriented Design & Programming

Data Structures and Algorithms Analysis\*

Introduction to Scientific Computation\*

Introduction to Combinatorics & Graph Theory

Introduction to Probability & Statistics\*

Computational Linear Algebra

Advanced Programming in Perl and C\*

Principle of Economics

Intermediate Microeconomics

\*Courses currently enrolled.

### Undergraduate Research Project (in progress):

SlideView: using VGA-to-USB converter to capture slides being shown on a projector. They are then served by a replication server to remote viewers.

Research project is supervised by Professor Henning Schulzrinne, chair of Department of Computer Science at Columbia University.

## HONORS AND ACHIEVEMENTS

- First Place - 2008 OBEA Ontario Provincial Programming Contest (language used: Java)
- Dean's List for academic achievement - Fall 2008 to present

## PROFESSIONAL EXPERIENCES

### RuggedCom Inc.

June 2009 – August 2009

Woodbridge, Ontario, Canada

Software Developer Intern

- Developed novel batch-testing tools in Tcl/Tk and Perl by automating burn-in test of network switches.
- Documented and presented automation solutions in accordance with company's release procedure.
- Worked in the Production Engineering team to analyze benefits of automation and areas of improvement.

### United Nations

January 2009

New York, New York

Interpreter for Chinese Oracle Calligraphy Exhibition

- Provided on-site interpretation and translation services for visitors to the exhibition.

## TECHNICAL AND LANGUAGE SKILLS

- *Programming Languages and Frameworks:* Java, C++, PHP, Perl, Ruby on Rails, ActionScript, ASP.NET, Tcl/Tk, SQL
- *Web Development:* HTML, CSS, and AJAX technologies (Javascript, DOM, XML, JSON)
- *Word Processing, Spreadsheet and Slideshow:* Microsoft Word, Excel (use of mathematical and statistical functions, graphs), PowerPoint, OpenOffice, Google Docs
- *Graphic Design:* Adobe Photoshop, Adobe Illustrator, Adobe Flash, Adobe InDesign
- *Operating Systems:* UNIX, Linux (Ubuntu, Debian), Microsoft Windows, Mac OS X
- *Languages and Other Skills:* Fluency in Chinese, elementary proficiency in Portuguese, experience in Judo and Karate

## LEADERSHIP EXPERIENCES

Deputy Online Editor (Dec. 2009 - Present), Columbia Daily Spectator

- Worked in a team to redesign Spectator's web portal and launch its news blog at [www.columbiaspectator.com](http://www.columbiaspectator.com)
- Collaborated with Alumni director to launch the new Spectator alumni web site and the feature blog of its publication, RetroSpec
- Assisted with the recruitment and training of new staff for the Online team

Associate Design Editor (Jan. - Nov. 2009), Columbia Daily Spectator

- Designed layout and graphics for America's second oldest daily college newspaper using Adobe InDesign (with K4 Publishing System) and Adobe Photoshop

Director of Technology (December 2009 – February 2010), Activities Board of Columbia

- Redesigned ABC's website ([www.cuactivitiesboard.org](http://www.cuactivitiesboard.org)); developed new features in PHP, including user categorization, newsfeed, and synchronization of financial data.
- Managed and optimized ABC's SQL database

Webmaster (September 2009 - Present), Columbia Asian American Alliance (AAA)

- Maintained and updated AAA's web portal ([www.aaacolumbia.org](http://www.aaacolumbia.org)) and its wiki ([www.aaacolumbia.org/wiki](http://www.aaacolumbia.org/wiki))
- Organized and promoted various on-campus cultural events and speeches by guest speakers