Zhehao Mao
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Education

Columbia University, School of Engineering and Applied Sciences, New York, NY
Computer Engineering, B.S.
Expected Graduation: May 2014
GPA: 4.1340/4.0
Relevant Coursework: Object-Oriented Design, Advanced Programming, Introduction to Electrical Engineering

Academic Magnet High School, North Charleston, SC
Graduated June 2010
Weighted GPA: 5.19/4.0

Work Experience

Science Applications International Corporation
Software Engineering Intern   June 2011 - present
- Analyzed data from tests of direction-finding radio antennae.
- Worked on setting up supercomputing cluster for electromagnetic simulations.

Columbia Spectator, New York, NY
Web Developer   January 2011 – present
- Working on redesign for the website of the Eye, the Spectator's weekly magazine
- Mined data for housing calculator application for the Shaft, a Spectator-sponsored blog covering the undergraduate housing application process at Columbia.

Center for Integrated Science and Engineering, Columbia University, New York, NY
Computer Assistant (Class III),   September 2010 - May 2011
- Maintained the CISE website (http://cise.columbia.edu).
- Redesigned the website to make better use of PHP and MySQL
- Trained other staff members to maintain website

CommIT Enterprises, Charleston, SC
Software Development Intern,   June-August 2009
- Worked on developing application for Android mobile phone operating system.
- Gained experience in management of relational databases.
- Gave project presentation to SPAWAR representatives.

Technical Skills
Computer Languages:

Python, C, C++, Java, Perl, PHP, Ruby, Bash,
SQL, Javascript, XML, HTML, CSS, JSON

Operating Systems:
Linux, Windows, Android

Databases:
MongoDB, MySQL, SQLite, Redis

Webservers:
Apache, Nginx, Cherokee

Development Tools:
Gedit, Emacs, Git, Mercurial, Make, Eclipse, Valgrind, GDB, GCC

Frameworks and Libraries:
Django, Web.py, Flask, wxWidgets, GTKmm, Glib, jQuery, Sinatra

Lab Equipment
Digital Multimeter, Breadboard, Oscilloscope, Function Generator, Soldering Iron,
Arduino

Languages
Mandarin Chinese (conversationally fluent)
Spanish (proficient at reading and writing)

Leadership
Executive Board member of Application Development Initiative
Member of the Association for Computing Machinery

Honors
Third place at College of Charleston ACM Programming Competition 2010
First place in Physics Brainstorm at College of Charleston Math Meet 2010
First place in the molecular biology division of the research paper competition at the SC Junior
Academy of Sciences Annual Meeting 2010