Shuyu Xu

Software Engineer at Microsoft Office 365

Summary

Seeking Objective a full-time job in top company investigating and applying modeling/coding skills to solve technique problems

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Experience

Software Engineer at Microsoft

December 2015 - Present

Office 365 Outlook desktop engineering.

Software Engineer at Amazon Web Services

January 2015 - December 2015 (1 year)

AWS mobile analytics team. Backend service development.

Research Assistant at University of Houston

September 2012 - May 2014 (1 year 9 months)

1. Designed visual analysis of steady vector field method based on streamline characterization
2. Developed 2D/3D vector field visualization tool based on volume rendering, Morse decomposition
3. Completed a user friendly platform-crossed GUI by QT
4. Improved Morse decomposition algorithm, speeded it up by using GPU(CUDA)

Research Intern at Schlumberger, Doll-Research Center

May 2013 - August 2013 (4 months)

1. Designed and Implemented HPC features for simulation-based optimization(MINLP) library
2. Conceived and implemented MPI and OpenMP structure for cluster/local core access
3. Explored the SDR optimization library application on Unix cluster, congured Makele
4. Enhanced optimization performance(result quality, execution time) by parallel features

Engineering Intern at Schlumberger

May 2012 - August 2012 (4 months)

1. Participated in Lab-Trax, a commercialized product designed for data analysis, data management, data sharing globally based on central database
2. Designed and implemented architecture, GUI and database structure in C# and SQL
3. Participated in the full life cycle of the project, including design, coding, debugging and testing

Research Assistant

September 2011 - May 2012 (9 months)

1. Developed a new platform independent remote experiment web interface in HTML,JavaScript, current remote experiments located at http://rsmsl-1.me.uh.edu/index.php
2. The system uses a Python server along with various coding languages such as PHP, JavaScript, and HTML to allow users from all over the world to remotely control an active real experiment over the internet, with no additional plug-ins needed beyond a web browser
3. Enabled the software on the mobile devices by JQuary Mobile
4. Embedded software/hardware design and other technical supports

Education
University of Houston
Master's degree, Computer Science, 2011 - 2014
Dalian University of Technology
Bachelor's Degree, Software Engineering, 2006 - 2010

Honors and Awards
FD Scholarship M. E. Donors

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Contact Shuyu on LinkedIn