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| |  | | --- | | *Yang Jiao* | | **Software Developer, Epic**  **1979 Milky Way, Verona, WI 53593** | | |  | | --- | | [**Home page**](http://www.cs.vt.edu/~jiaoyang)  [**Google scholar**](http://goo.gl/mxEgBR)  **+1 (608) 630-0987** | |
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| |  | | --- | | **Skills** | | |  |  |  | | --- | --- | --- | | **Caché/MUMPS** | **VB & C#** | **Perl & Python** | | **PHP & MySQL** | **Java** | **CUDA & OpenCL** | | | |
| |  | | --- | | **Education** | | |  |  |  | | --- | --- | --- | | **08/2008-12/2010** | **M.S. in Computer Science**  Virginia Tech, Blacksburg, VA | **GPA: 3.5/4.0** | | **09/2006-06/2008** | **M.Eng in Computer Software and Theory**  Nanjing University, Nanjing, China | **GPA: 3.8/4.0** | | **09/2002-06/2006** | **B.Sc. in Computer Science and Technology**  Nanjing University, Nanjing, China | **GPA: 3.7/4.0** | | | |
| |  | | --- | | **Professional Experience** | | |  |  | | --- | --- | | **Software Developer at Epic Systems Corporation (on Cupid)** | **01/2011-present** | | * Lead internal project revamping measurements service, redesign backend in ***MUMPS*** and front UI; * Investigate, design, and fix for product’s deficiencies; * On-site with customers for trouble shooting; * Participate in weekly customer calls for providing technical expertise; * Help technical recruiting conduct phone screening, candidate overview, and candidate dinner. | | | **Visiting Research Assistant at USC Information Sciences Institute (on BuildP)** | **05/2010-08/2010** | | * Parse several gigabytes of subversion and regression testing logs via ***Perl*** and ***Python*** to retrieve information; * Store all parsed data in ***MySQL*** database and build internal web interface by ***PHP*** for easy access to the database; * Visualize stored information via ***Java***-based **Processing** framework, generating treemaps and time series plots. | | | **Graduate Research Assistant at Synergy Lab (on The Green500 List,** [**http://www.green500.org**](http://www.green500.org)**)** | **08/2009-12/2010** | | * Design and implement power aware computing micro benchmarks on GPU, programming in ***CUDA*** and ***OpenCL***; * Build the web submission system based on ***LAMP*** for The Green500 List; * Design, implement, and optimize the backbone ***MySQL*** database of The Green500 List; * Visualize large scale data using **Google Visualization API** and **JavaScript Infovis Toolkit**; * Lead general technical support for The Green500 List. | | | **Graduate Research Assistant at Software Innovations Lab (on BRMI/RBI)** | **08/2008-05/2009** | | * Design, implement, and test the remote conditionals of **BRMI** (Batch Remote Method Invocation); * Design and implement the fundamental network communication infrastructure of **RBI** (Remote Batch Invocation); * Both projects have achieved the goal of extending the functionality of existing ***Java*** **RMI** framework; * Publish two research papers in top conferences, i.e., ICDCS 2009 and ECOOP 2009 respectively. | | | **School Projects** |  | | * **DVFS on GPGPU**, design and implement micro kernels to probe GPGPU performance under varying frequencies; * **CS 5504**, accelerate matrix multiplication on **Cell/B.E.**, achieving 17GFLOPS/12X speedup; * **CS 5304**, design and implement a compiler for ***Pascal***, generating binary code run on a stack based virtual machine. | | | | |
| |  | | --- | | **Open Source Projects (as a team member)** | | |  |  |  | | --- | --- | --- | | **sclc** | Count lines of source code, using ***Perl*** | <http://code.google.com/p/sclc> | | **shelllogger** | Log and timestamp shell commands, mainly using ***Python*** | <http://code.google.com/p/shelllogger> | | | |
| Reference will be available upon requests. | |