

Chong Tang

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Education

- **University of Virginia** **Charlottesville, VA**
Ph.D., Computer Science GPA 3.87 *Aug 2012 – Dec 2018 (expected)*
 - **The University of Southern Mississippi** **Hattiesburg, MS**
M.S., Computer Science GPA 3.84 *Aug 2008 – May 2012*
 - **Xi'an University of Posts and Telecommunications** **Xi'an, Shaanxi China**
B.E., Network Engineering GPA 3.45 *Aug 2005 – May 2009*
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Experience

- **Graduate Research Assistant** **Charlottesville, VA**
University of Virginia *Aug 2012 – Present*
 - Mined one-year treatment data from UVA hospital. Explored a way to reduce care variations by computing cosine similarities among congestive heart failure patients.
 - Worked on software synthesis techniques. Built a Spark cluster to analyze thousands of synthesized MySQL schemas. Built a Java EE application to expose our tool as web services.
 - Automatically summarize code changes using Natural Language Processing techniques.
 - **Research Intern** **Sunnyvale, CA**
@WalmartLabs *June 2016 – Aug 2016*
 - Built a random forest model to predict the performance of MapReduce jobs. The accuracy is 0.90.
 - **Software Engineer Intern** **Reston, VA**
comScore, Inc. *May 2015 – Aug 2015*
 - Developed a web application based on JIRA's REST APIs to assist Sprint planning. This tool is being used everyday at comScore.
 - Rewrote a Silverlight application with HTML5 techniques.
 - **Graduate Research Assistant** **Hattiesburg, MS**
The University of Southern Mississippi *Aug 2010 – May 2012*
 - Worked on MAC layer algorithms based on non-uniform back-off and cross-layer bit rate adaptation to achieve opportunistic access. Improved Wi-Fi throughput by 6% while maintaining fairness.
 - **Software Engineer** **Xi'an, Shaanxi China**
NEC Advanced Software Technology CO. LTD *July 2009 – July 2010*
 - Built a software to distribute and execute batch files across heterogeneous servers by predefined dependencies and logic among batch files.
 - Built a management system for NEC's next generation switch which allows system administrators to control flows with programmed rules, so called software-defined networking.
 - **Software Engineer Internship** **Xi'an, Shaanxi China**
NEC Advanced Software Technology CO. LTD *Feb 2009-June 2010*
 - Designed and implemented a project management system that allows a manager to dispatch tasks, auto-reminds task owners of unfinished tasks, and tracks the progress of each task.
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Skills

Languages: Python, Java, C#, Scala, Spark, Hadoop, HTML, CSS, JavaScript, Java EE, Django, C/C++, SQL, Shell
Knowledge: Software Engineering, Large Scale Computing, Wireless Communication
Development Environment: Linux, Mac OS X, Windows