

# Yukai Tu

CONTACT INFORMATION	<i>Computer Science Department</i> University of California, Los Angeles (UCLA) 825 Weyburn Terrace, Apt.59, Los Angeles, CA, 90024	<i>Mobile: +1-310-562-9182</i> <i>E-mail: <a href="mailto:ytu@cs.ucla.com">ytu@cs.ucla.com</a></i>
EDUCATION	<b>Master of Computer Science</b> University of California, Los Angeles ( <b>UCLA</b> ) <ul style="list-style-type: none"><li>• <i>Area:</i> Database, Named Data Networking, Animats-Based Modeling</li></ul> <b>Bachelor of Information Engineering</b> Beijing University of Posts and Telecommunications ( <b>BUPT</b> ) <ul style="list-style-type: none"><li>• <i>Major GPA:</i> 89.08/100</li><li>• <i>Area:</i> Web Application, Network Service, Future Internet Architecture Program</li></ul>	Sep, 2016, expected June, 2018  Sep, 2012 to July, 2016
WORK EXPERIENCE	<b>Red Hat, Inc.</b> <ul style="list-style-type: none"><li>• <i>Position:</i> PnT DevOps Quality Engineer Intern</li><li>• <i>Capability:</i> Python, Robot Framework, Selenium, Git/Gerrit.</li><li>• <i>Achievements:</i><ul style="list-style-type: none"><li>• Implemented all over 300 web UI automation testing cases for project PELC. Increased the testing coverage from 0% to over 90%. During the constantly updated of the project, automation testing found more than 10 major bugs.</li><li>• Implemented automation testing for compose tools including project distill and <a href="#">pungi4</a> independently. Designed and implemented all 150 cases. Presented a tech share about compose tools in PnT Devops team.</li></ul></li></ul>	Jan, 2016 to June, 2016
PROJECT EXPERIENCE	<b>Future Internet Architecture Program</b> Capability: Java, C++, Gerrit. <ul style="list-style-type: none"><li>• Implemented a cache structure(including a hash table, a trietree and a jumplist) in the open source project <a href="#">CCNxTomcat</a> based on <a href="#">Tomcat</a></li><li>• Proposed and implemented a packets scheduling mechanism for <a href="#">CCNxTomcat</a> which reduces average 30% delay for requests.</li><li>• Participated in the release of version 0.4.0-beta1 of <a href="#">NFD</a>. Decoupled the original network connection module to two separated module Link and Transport, which can support Indexed Fragmentation function.</li></ul> <b>Distributed Document Crawler and Retrieval System</b> Capability: Python, Kafka, Elasticsearch. <ul style="list-style-type: none"><li>• Developed a distributed crawler system which crawled more than 1 million court document records using Python, Kafka and NoSQL database. Set the anti-interrupt mechanism in the crawler.</li><li>• Developed a search engine for retrieving court documents using Elasticsearch and Java. Visualized the results by using Elasticsearch maps and pie charts.</li></ul> <b>Website Data Store and Display</b> Capability: PHP, MySQL, BootStrap, Highcharts. <ul style="list-style-type: none"><li>• Created a web page for displaying the data CURD operation.</li><li>• Simulated the theory of communication network and display the results using Highcharts.</li></ul>	July 2014 to present  Sep. 2015 to Jan. 2016  Sep. 2014 to Jan. 2016
PUBLICATIONS	[1] Guoshun Nan, Xiuquan Qiao, <b>Yukai Tu</b> , Wei Tan, Lei Guo and Junliang Chen. <a href="#">Design and Implementation the Native Web Browser and Server for Content-Centric Networking</a> . In: <b>ACM Sigcomm 2015</b> , <i>Poster</i> .	