

# Aaron Wu

Seeking full time Software Engineer position

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<b>SKILLS</b>	Backend: Java, Python, PHP, Django, Struts, Spring, Hibernate, WordPress, Socket, Weka Frontend: AngularJS, Meteor, Node.JS, Bootstrap, jQuery/UI, JSON, Ajax, HTML, CSS, JavaScript Database: MongoDB, MySQL Testing : Junit, Selenium, Appium, TestNG		
<b>EDUCATION</b>	George Washington University, Washington DC	GPA: 3.7	Aug 2014 to Jan 2016
	Master of Computer Science Special Topic: <b>Full Stack</b> Application Development, <b>Java Concurrency</b> , <b>Web Data Exploration</b>		
<b>WORK EXPERIENCE</b>	<b>Software Engineer II</b> eBay. Inc	San Jose, US	April 2016 to Present
	<ul style="list-style-type: none"><li>Designed and programmed testing <b>automation</b> for eBay motors selling. Filed two production bugs.</li><li>Refined and optimized existing code structure and cut off 2000+ lines for motors selling service and UI testing.</li><li>Reviewed and supplemented test cases and the code coverage was improved from 33% to 85%.</li><li>Automated testing for android releases with <b>Appium</b> to make sure new searching feature was migrated well</li></ul>		
	<b>Software Engineer Intern</b> SINA.com	Beijing, China	Oct 2012 to Jun 2013
	<ul style="list-style-type: none"><li>Designed and implemented <b>PHP</b> with <b>WordPress</b>. Added database connection feature for data persistence and enhanced data visualization by stylizing the page prototypes with <b>CSS</b>, <b>JS</b> and <b>jQuery UI</b>.</li><li>Filtered out invalid row data for more than 9 thousand users' information. Triple the speed of <b>MySQL R/W</b> by using <b>Java concurrency</b> and thread pool of <b>JDBC</b>.</li><li>Fixed the density-based cluster algorithm, <b>DBSCAN</b> into project.</li><li>Accuracy of predictions system reached <b>76%</b> for attributes workplace and home location. Deployed a complete system for row data pre-processing, data mining, persistence and presentation.</li></ul>		
	<b>Data Mining Researcher</b> BUPT University	Beijing, China	Mar 2011 to Jun 2014
	<ul style="list-style-type: none"><li>Fixed <b>K-Means</b> and <b>DBSCAN</b> from Weka into project. Figured out the distribution of consumption centres based on nearly thirty thousand POIs information.</li><li>Promoted the effectiveness of <b>MySQL R/W</b> with <b>Java concurrency</b> and <b>JDBC</b> threads pool.</li><li>Compared the results following <b>A/B test</b> and optimized parameters.</li><li>Released a web system to provide data visualization by <b>HTML</b>, <b>CSS</b>, <b>JS</b> and <b>jQuery</b></li><li>Developed enterprise web system for more than one thousand employees, using <b>J2EE</b> frameworks.</li></ul>		
<b>PROJECTS</b>	<b>eBay Motors Buyer Side Testing</b>		Apr 2016 to Present
	<ul style="list-style-type: none"><li>Architected testing automation for eBay motors parts selling. Automated service testing based on <b>TestNG</b>. Designed test cases and code coverage reached 65%.</li><li>Implemented UI automation with <b>Selenium</b> to verify the web pages and guarantee the sequence of functionalities. Filed one production bug</li><li>Built pipeline for testing and coding coverage generation. The code coverage reached 73%.</li><li>Tested android based on <b>Appium</b>. Monitored the new searching feature migration.</li></ul>		
	<b>Mini Flickr Photo Sharing Social App, Android</b>		Jan 2016 to Mar 2016
	<ul style="list-style-type: none"><li>Developed an <b>android</b> photos gallery with Flickr <b>RESTful API</b>. Provided services for getting recent photos and searching by keywords generally.</li><li>Parsed <b>JSON</b> response to extract the photo information.</li><li>Persisted searching history and offered suggestions for each searching action.</li><li>Offered single photo download service. Able to view single photo in Flickr App.</li></ul>		
	<b>Job Seeker Platform</b>		May 2015 to Jul 2015
	<ul style="list-style-type: none"><li>Built a website to provide services for company to post a job and visitors to view and apply a job</li><li><b>CRUD</b> for users and opening positons profiles management.</li><li>Implemented <b>online judgement</b> subsystem so that once the user/visitors applied a job, the recruiter/poster would be able to review the profile and files uploaded by applicants</li><li>Updated the jobs previews in front pages automatically which meant the applied jobs wouldn't be displayed twice for users.</li></ul>		