

# Eric W. Leong

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CONTACT INFORMATION	New York, NY	me@ericleong.me github.com/ericleong http://ericleong.me
EDUCATION	<b>The Cooper Union for the Advancement of Science and Art</b> , New York, NY <i>B.Eng.</i> Mechanical Engineering ( <i>GPA: 3.4</i> )	May 2014
PROFESSIONAL EXPERIENCE	<b>Tumblr</b> , New York, NY <i>Senior Android Engineer</i> (hackNY Fellows Intern, Full-Time) Transitioned from feature development to building performant client-side architectures.	May 2013 – Present
	<ul style="list-style-type: none"><li>• Wrote Backboard, a motion-driven animation framework (<a href="https://github.com/tumblr/Backboard">github.com/tumblr/Backboard</a>).</li><li>• Refactored networking stack to use Retrofit to increase test coverage.</li><li>• Improved scroll performance and decreased <code>OutOfMemory</code> errors by 90% with a custom RecyclerView library (<a href="https://github.com/tumblr/Graywater">github.com/tumblr/Graywater</a>).</li><li>• Reduced launch time by 50% by switching to LoganSquare for JSON deserialization.</li><li>• Migrated app to use Dagger 2 Producers for asynchronous dependency injection.</li></ul>	
	<b>IBM Extreme Blue</b> , Research Triangle Park, NC <i>Technical Intern</i> (Summer Intern, Part-Time) Developer for the IBM Smarter Cities data visualization project, <i>interSector</i> , a new user interface for visualizing issues and insights spanning city services.	May 2012 – December 2012
	<ul style="list-style-type: none"><li>• Developed web application with innovative user interface in Dojo Toolkit and OpenLayers.</li><li>• Designed custom web service to interface with location-aware semantic data models.</li></ul>	
	<b>S7 Labs</b> , Long Island City, NY <i>Software Engineer</i> (Summer Intern, Part-Time) Development and refinement of <i>treshr</i> , a Craigslist “free stuff” aggregator featured in <i>Lifehacker</i> .	June 2011 – December 2011
	<ul style="list-style-type: none"><li>• Developed with the Django web framework using MySQL with support from mongoDB. Utilized Google Maps API with JQuery and Backbone.js.</li><li>• Gained experience with production-level RESTful API development with JSON, URL routing, unit testing, HTML templating, and work queues.</li></ul>	
PROJECTS	<b>sand.js</b> A falling sand game as a cellular automaton, written with Javascript and WebGL.	January 2015
	<b>powerdash</b> Dashboard for energy consumption at 41 Cooper Square written in Node.js with data in MongoDB.	May 2014 – June 2016
	<b>A Methodology For Reducing Building Energy Usage</b> Senior thesis which provided a strategy for analyzing energy usage in facilities by summarizing data from building management systems into useful metrics for pinpointing potential energy reductions.	September 2013 – May 2014
TALKS	Asynchronous Dependency Injection Analyzing Scroll Performance Fluid Gestures	Droidcon NYC 2017 Droidcon NYC 2016 Droidcon SF 2016