

Eric W. Leong

CONTACT INFORMATION	New York, NY	me@ericleong.me github.com/ericleong https://ericleong.me
EDUCATION	The Cooper Union for the Advancement of Science and Art , New York, NY <i>B.Eng.</i> Mechanical Engineering (<i>GPA: 3.4</i>)	May 2014
PROFESSIONAL EXPERIENCE	Freelance Photographer , New York, NY Tumblr , New York, NY <i>Senior Android Engineer</i> (hackNY Fellows Intern, Full-Time) Transitioned from feature development to building performant client-side architectures.	October 2018 – Present May 2013 – August 2018
	<ul style="list-style-type: none">• Wrote Backboard, a motion-driven animation framework (github.com/tumblr/Backboard).• Rewrote networking stack with Retrofit and Jackson JSON parsing for models.• Improved scroll performance and decreased <code>OutOfMemory</code> errors by 90% with a custom RecyclerView library (github.com/tumblr/Graywater).• Reduced launch time by 50% by switching to <code>LoganSquare</code> for JSON deserialization.• Migrated app to Dagger 2 Producers for asynchronous dependency injection.• Devised plan and initiated migration from RxJava 1 to 2.• Wrote architecture guidelines for contributing to the Tumblr Android codebase.• Refactored user blog cache to follow a reactive repository pattern with RxJava 2 and Kotlin.	
	IBM Extreme Blue , 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">• Developed web application with innovative user interface in Dojo Toolkit and OpenLayers.• Designed custom web service to interface with location-aware semantic data models.	
PROJECTS	sand.js A falling sand game as a cellular automaton, written with Javascript and WebGL.	January 2015
	A Methodology For Reducing Building Energy Usage 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	Graywater Asynchronous Dependency Injection Analyzing Scroll Performance Fluid Gestures	DroidKaigi + Android@Scale 2018 Droidcon NYC 2017 Droidcon NYC 2016 Droidcon SF 2016
MISCELLANEOUS	Discovered Denial of Service Vulnerability in Android System Ui (CVE-2017-13301)	April 2018