

# Gaurav Kharkwal

---

Contact Information	<a href="mailto:gaurav.kharkwal@gmail.com">gaurav.kharkwal@gmail.com</a>	+1 (571) 340-8629								
Work Experience	<p><b>Google</b>, New York, NY <i>Software Engineer</i> June 2016 - Present</p> <ul style="list-style-type: none"><li>Currently, building an on-device data synchronization platform for Google Assistant.<ul style="list-style-type: none"><li>Work involves writing native Android code, maintaining a backend server, and ensuring data consistency and reliability between client- and server-backed data.</li></ul></li><li>Previously, worked on several projects in local search as an individual contributor, and later tech lead.<ul style="list-style-type: none"><li>With me as TL, we launched a new local search features with XXM Daily Active Users.</li><li>My responsibilities included leading 5+ engineers, and coordinating the launch, overall strategy, and developing a long-term roadmap (in partnership with PM and PgM).</li><li>As an IC, I have worked on various parts of local search and Google Maps’ technical stack: query understanding, ranking, triggering, data quality, and web/Android full-stack development.</li></ul></li></ul> <p><b>Bloomberg LP</b>, New York, NY <i>UI Infrastructure Developer</i> Aug 2014 - May 2016</p> <ul style="list-style-type: none"><li>Developed and maintained client-side applications and services for the Bloomberg Terminal.</li><li>Additionally, worked on UI infrastructure used by developers for building features on the Terminal.</li></ul>									
Technical Expertise	<p><b>Experience</b></p> <ul style="list-style-type: none"><li>Technical leadership: I have led and landed projects with various stakeholders</li><li>Technical mentorship: I have hosted interns, engineering residents, and onboarded developers</li><li>Full stack development of search features for web and Android</li></ul> <p><b>Programming Languages</b></p> <ul style="list-style-type: none"><li>C++, Javascript, Java</li><li>Prior experience in: Python</li></ul>									
Education	<p><b>Rutgers University</b>, New Brunswick, NJ</p> <table><tr><td>Ph.D., Cognitive Psychology (GPA: 4.0)</td><td>2014</td></tr><tr><td>M.S., Computer Science (GPA: 4.0)</td><td>2014</td></tr><tr><td>M.S., Cognitive Psychology (GPA: 4.0)</td><td>2011</td></tr></table> <ul style="list-style-type: none"><li>Awarded the Excellence in Dissertation Fellowship in the academic year 2013-2014.</li></ul> <p><b>International Institute of Information Technology</b>, Hyderabad, India</p> <table><tr><td>B.Tech., Computer Science and Engineering Hons. (GPA: 9.04/10)</td><td>2009</td></tr></table> <ul style="list-style-type: none"><li>Dean’s List every year for excellence in academic performance.</li></ul>		Ph.D., Cognitive Psychology (GPA: 4.0)	2014	M.S., Computer Science (GPA: 4.0)	2014	M.S., Cognitive Psychology (GPA: 4.0)	2011	B.Tech., Computer Science and Engineering Hons. (GPA: 9.04/10)	2009
Ph.D., Cognitive Psychology (GPA: 4.0)	2014									
M.S., Computer Science (GPA: 4.0)	2014									
M.S., Cognitive Psychology (GPA: 4.0)	2011									
B.Tech., Computer Science and Engineering Hons. (GPA: 9.04/10)	2009									
Selected Publications	<p><b>Kharkwal, G.</b> and Muresan, S. (2014). “Surprisal as a Predictor of Essay Quality.” <i>The 9th Workshop on Innovative Use of NLP for Building Educational Applications at ACL</i>, 54-60, Baltimore, MD.</p> <p><b>Kharkwal, G.</b> and Stromswold, K. (2014). “Good-enough language processing: Evidence from sentence-video matching.” <i>Journal of Psycholinguistic Research</i>, 43(1), 27-43. doi:<a href="https://doi.org/10.1007/s10936-013-9239-5">10.1007/s10936-013-9239-5</a>.</p> <p>Lee, C., <b>Kharkwal, G.</b>, and Stromswold, K. (2012). “Temporal transitions in narrative production with wordless picture books.” <i>LSA Annual Meeting Extended Abstracts</i>, <a href="http://elanguage.net">elanguage.net</a>.</p>									