

Gaurav Kharkwal

Contact Information gaurav.kharkwal@gmail.com

+1 (571) 340-8629

Work Experience **Google**, New York, NY
Software Engineer

June 2016 - Present

- As a technical lead, I collaborated with partner stakeholders (PMs/PgMs/Eng leads) to drive and deliver multi-quarter projects that are used by XXM Daily Active Users.
 - Led projects and drove prioritization with engineering teams spread across different time zones.
 - When working on platform-based projects, partnered with and onboarded client teams
 - Onboarded and mentored new and junior developers
- As a generalist software developer, I have extensive experience working on various parts of the technical stack:
 - Full stack web and Android development using C++, Java, and Javascript
 - Productionization experience with critical, multi-region distributed systems
 - Big data (logs) processing with MapReduce jobs written in Java (Flume) and Golang

Bloomberg LP, New York, NY

UI Infrastructure Developer

Aug 2014 - May 2016

- Part of UI infrastructure team that maintained company-wide JavaScript APIs for feature developers
 - Our APIs were used by feature teams to develop the UI for Bloomberg "Functions".
- Built new features for exploratory next-generation Bloomberg Terminal using JavaScript and native Windows C++.
 - Examples of features I worked on include the Login screen, B-unit verification process, integration of the Terminal with Windows features such as the taskbar and context menus.

Technical Expertise

Experience

- Technical leadership: I have led and landed projects with various stakeholders
- Technical mentorship: I have hosted interns, engineering residents, and onboarded developers
- Full stack development of search features for web and Android

Programming Languages

- C++, JavaScript, Java
- Prior experience in: Python

Education **Rutgers University**, New Brunswick, NJ

Ph.D., *Cognitive Psychology* (GPA: 4.0)

2014

M.S., *Computer Science* (GPA: 4.0)

2014

M.S., *Cognitive Psychology* (GPA: 4.0)

2011

- Awarded the Excellence in Dissertation Fellowship in the academic year 2013-2014.

International Institute of Information Technology, Hyderabad, India

B.Tech., *Computer Science and Engineering Hons.* (GPA: 9.04/10)

2009

- Dean's List every year for excellence in academic performance.

Selected Publications

Kharkwal, G. and Muresan, S. (2014). "Surprisal as a Predictor of Essay Quality." *The 9th Workshop on Innovative Use of NLP for Building Educational Applications at ACL*, 54-60, Baltimore, MD.

Kharkwal, G. and Stromswold, K. (2014). "Good-enough language processing: Evidence from sentence-video matching." *Journal of Psycholinguistic Research*, 43(1), 27-43. doi:[10.1007/s10936-013-9239-5](https://doi.org/10.1007/s10936-013-9239-5).

Lee, C., **Kharkwal, G.**, and Stromswold, K. (2012). "Temporal transitions in narrative production with wordless picture books." *LSA Annual Meeting Extended Abstracts*, elanguage.net.