Luis E. Useche

Personal Data

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Work Experience

11/2014 to present	**Senior Software Engineer** *Google LLC.* Tenured Senior Software Engineer with 10 years at Google, specializing in Linux kernel and low-level user space development. Proven ability to optimize complex systems for performance and maintainability, emphasizing simplicity in design and code. Served as Performance and Linux Driver Lead for core storage, keeping the lights on in this critical system. Dedicated mentor, passionate about ramping up junior engineers and fostering their growth. Expertise in C, C++, Python, and Linux kernel internals. Currently contributing to the Pixel camera team, enabling hardware access for critical camera functionalities.
10/2012 to 11/2014	**Member of Technical Staff** *VMWare Inc.* Research, development and maintenance of the vSphere Storage DRS feature. Storage DRS provides virtual disk placement and load balancing across a set of datastores based on I/O performance and space utilization.

Skills

Programming:	C, C++, Python, Shell Script, Rust.
Kernel Programming:	Linux kernel programming since 2006.
Helix Editor Programming:	Added a couple of feature and bug fixes to the Helix editor implemented in Rust.

Education

08/2006 to 08/2012	**Ph.D. in Computer Science | GPA 3.95/4** *Florida International University* Research in Operating Systems and Storage Systems. Focused on storage efficiency for performance and energy.
09/2000 to 02/2006	**Computer Science Engineer | GPA 3.97/5** *Universidad Simón Bolívar* Generic computer science courses, with additional courses in Operating Systems, Computer Networks, and Machine Learning.