

John S. Wright, Jr.

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SUMMARY Versatile software engineer, passionate about engineering tools, software services, big data, and free software.

EDUCATION Bachelor of Science in Physics, Mathematics minor, August 2008
Colorado State University, Fort Collins, CO

PROFESSIONAL EXPERIENCE *Senior Software Engineer* **Google**
Mountain View, CA **July 2010 – Present**

Developing and supporting a service for client event logging from Google apps across platforms. Writing and maintaining MapReduce pipelines for counting active users of first-party apps, and processing other Android-related data for quantitative analysis and business intelligence. Previously developed and supported a release automation platform with distributed workers, a web frontend in AngularJS and Closure, and a Java servlet backend.

Systems/Software Engineer **Hewlett-Packard**
Fort Collins, CO **August 2008 – July 2010**

Release lead and support engineer for a Debian-derived custom distribution for telecommunications customers. Automated a mostly manual release process. Maintained an `apt` package archive for many releases and several concurrent support and development streams, as well as a web interface for release contents, deltas, etc. Developed a security issue tracker to aid in supporting forked packages and releases whose parent Debian releases were out of support. Supported customers and submitted patches to upstream projects.

Debian Developer **Debian Project**
August 2007 – Present

I co-maintain `makedumpfile`, `python-debian`, and a few other tiny packages.

SKILLS

- Programming elegant, idiomatic, and well-tested C, C++, Java, Go, Python, and JavaScript
- Solving embarrassingly parallelizable problems with MapReduce
- Designing usable, maintainable APIs, for libraries and cloud services alike
- Developing web apps with AppEngine (Go, Python), Django, AngularJS
- Optimizing algorithms in hotspots exposed using a profiler
- Performing Linux kernel crash dump analysis on x86 and x86-64