

DANIELLE CONNOLLY

LOCATION Brooklyn, NY

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EXPERIENCE

Software Engineer, Cloud Key Management Service, July 2019 - Present

Google, New York, NY

Focused on reliability of key management service written primarily in C++. Assessed and eliminated multi-regional outage risks across globally distributed service by improving data validation and alerting, increasing test coverage, and migrating to updated dependencies without any service disruption.

Site Reliability Engineer, VMware Virtualization SRE, July 2017 - July 2019

Google, New York, NY

Managed a fleet of approximately 300 globally distributed physical servers, running over 3,300 virtual machines with approximately 200 customer services. Automated self-service VM provisioning and maintenance processes in Python.

Participated in 24x7 on call rotation to triage customer concerns, mitigate production issues across services, investigate root causes, and coordinate permanent solutions.

Maintained an internal monitoring and observability tool in Go to collect and forward metrics to alerting and analysis tools. Connected with users to develop a roadmap for the service, determine the necessary SLOs, and prioritize feature requests.

Software Engineering Intern, Chrome Networking, May 2016 - August 2016

Google, Cambridge, MA

Worked on open-source Chromium project. Designed a NetLog observer in C++ to bound memory usage and consolidate file writing across threads. Implemented a new Java API to integrate new observer into Chrome for Android.

Instructional Aide, Web Systems, September 2016 - May 2017

University of Michigan, Ann Arbor, MI

Led a weekly discussion section to review class materials and provided one-on-one assistance to approximately 350 students each semester in web infrastructure and development concepts including MySQL, information retrieval, networking, and security and encryption.

EDUCATION

University of Michigan, Ann Arbor, MI, May 2017

B.S.E. Computer Science, Minor in Mathematics

SKILLS

Python, C++, SQL, Git