

# DANIELLE CONNOLLY

LOCATION Brooklyn, NY

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## EXPERIENCE

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

**Google**, New York, NY

Resolved database errors on approximately 25,000,000 rows by backfilling data with a pipeline for widespread and safe customer data mutations in C++. Deployed across multiple regions without disrupting service and improved reliability of database validation metrics and alerts.

**Site Reliability Engineer, VMware 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, GPA 3.4/4.0

## SKILLS

Python, C++, SQL, Git