

## RECENT WORK

**Complex Systems Group, LLC**, San Francisco, CA • <https://complexsystems.group>

*Principal Consultant; October 2020–present*

Researched & produced an exhaustive report on the current state of passive state-sponsored adversary capabilities, on behalf of an organization who had been told by law enforcement contacts that certain of their affiliates were likely a target of state-sponsored adversaries. Helped the CEO of a local small business write security compliance documentation for a major client.

**Lyft, Inc.**, San Francisco, CA

*Data Privacy Analyst; November 2018–March 2020*

Represented the Security & Privacy teams on the cross-functional project team implementing the California Consumer Privacy Act (CCPA) at Lyft. Launched compliance successfully on January 1, 2020. Guided the legal & technical design & implementation based on previous experience with the GDPR. Helped Legal explain the law to engineering stakeholders and Engineering explain technical challenges to legal stakeholders.

**Stripe, Inc.**, San Francisco, CA

*Security Engineer; May 2017–August 2018*

Represented Security in and guided the design of our GDPR strategy. Launched GDPR compliance successfully on May 25, 2018. With a cross-functional team comprising stakeholders from Legal, Business Systems, and IT, designed and implemented a vendor management process. Wrote new cybersecurity compliance documentation and revised and updated existing documentation for our regulators and customers.

**Akamai Technologies, Inc.**, Cambridge, MA

*Senior Lead Security Researcher; November 2012–September 2016*

Managed a small group of new-graduate security researchers, with the goal of growing them into security architects. Owned and operated the secure rack intrusion process until successfully transitioning it to an operations team. Owned and operated the company-wide technical incident manager on-call rotation; also served as a security subject-matter expert and incident manager. Led and participated in security design reviews for projects going before the product and platform review boards to identify safety and architectural issues. Specified the design of and, with an intern, successfully prototyped a novel and cost-effective method of destroying SSDs to NSA guidelines with off-the-shelf tools and equipment.

ARTICLES &  
TALKS

**How To Write an Internal Production Failure Incident Communication** article, *The ReadME Project*, Github, June 2021, <https://github.com/readme/guides/incident-email>

**An Introduction to Approachable Threat Modeling** article, *Increment*, Stripe, November 2018, pp. 9–19 <https://increment.com/security/approachable-threat-modeling/>

**Safety Thinking in Cloud Software: Challenges and Opportunities** talk

STAMP Workshop, Cambridge, MA, March 2016

**Safety at Scale** talk, Security@Scale, Boston, MA, November 2015

[https://www.youtube.com/watch?v=e\\_-n5wX8okQ](https://www.youtube.com/watch?v=e_-n5wX8okQ)

PAPERS &  
PATENTS

Hopkins, Brandon J. PhD and Riggle, Kevin A. (2021) “**An Economical Method for Securely Disintegrating Solid-State Drives Using Blenders,**” *Journal of Digital Forensics, Security and Law*: Vol. 16, Article 1, <https://commons.erau.edu/jdfs1/vol16/iss2/1>.

Hopkins, B. J. & Riggle, K., inventors; Akamai Technologies, Inc., assignee. “**Efficiently sanitizing a solid state drive (ssd).**” US Patent 10589286B221 filed August 2015, granted March 2020.

## EDUCATION

**Massachusetts Institute of Technology**, Cambridge, MA

Computer Science (Course VI-3); undergraduate 2004–08, 2009–10

## VOLUNTEER

**BSides San Francisco**, March 2020

Program Committee member. Reviewed talk submissions for a two-day, four-track security conference.