

# Christian J. Ternus

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https://cternus.net

## Experience **Apple**

*Staff Software Engineer, AI/ML Security & Privacy*

SF Bay Area  
2021-Present

- Led platform security work for the Apple AI/ML Data Platform.
- *Specific project details confidential*

## **Google**

*Tech Lead & Sr. Software Engineer, Search & Assistant Privacy Engineering*  
*Sr. Software Engineer, Cloud Key Management*

SF Bay Area  
2019-2021  
2017-2019

- Tech lead of 6-engineer team building Assistant privacy features with millions of daily users.
- Designed and engineered Guest Mode, an incognito-like mode for Google Assistant.
- Work was featured onstage at CES and Made by Google conferences.
- Led engineering efforts towards compliance with privacy regulations such as GDPR and Children's Code.
- Designed cloud-wide crypto key authorization system, then led implementation team.
- Designed Cloud KMS threat modeling process.
- Implemented client libraries in C++, Java, and Go.
- Taught security and privacy classes and ran mock interviews for underrepresented candidates.
- Received multiple awards for outreach and education efforts.

## **Akamai**

*Architect, Adversarial Resilience*  
*Security Researcher, Senior Security Researcher, Adversarial Resilience*

Cambridge, MA  
2015-2017  
2012-2015

- Founding member of Adversarial Resilience team.
- Provided security and architectural advice and guidance in long-term cross-company engagements.
- Led team of junior engineers and researchers.
- Managed critical high-severity technical incidents (\$100M+ potential impact).
- Trained others in incident management and helped develop new incident process.
- Built internal tools in Python, Go, Haskell, C++, and Javascript.
- Top-rated speaker at conferences such as OSCON and SOURCE.
- Created the Kindness Initiative and Humanity in Security internal mini-conference.

## **Dimagi**

*Engineer*

Charlestown, MA  
2010-2012

- Designed, developed, and maintained HIPAA-compliant healthcare coordination platforms.
- Worked in Python, Android, SMS, Django, JavaScript, PostgreSQL, and CouchDB.

## **Internships**

Ksplice, MokaFive, Vanu, Best Practical, MIT IS&T, MIT CSAIL, European Southern Observatory

## **Skills**

*Recent Experience:* Python, C++, AWS/GCP

*Previous Experience:* Go, Java, Rust, Scheme, Scala, Android, Django, LaTeX

## **Education**

**Massachusetts Institute of Technology**  
S.B., Computer Science and Engineering, June 2010

Cambridge, MA

## **Interests**

Adventure motorcycling, scuba diving, amateur radio, expeditions  
(including 20,000-mile motorcycle journey from USA to Tierra del Fuego)