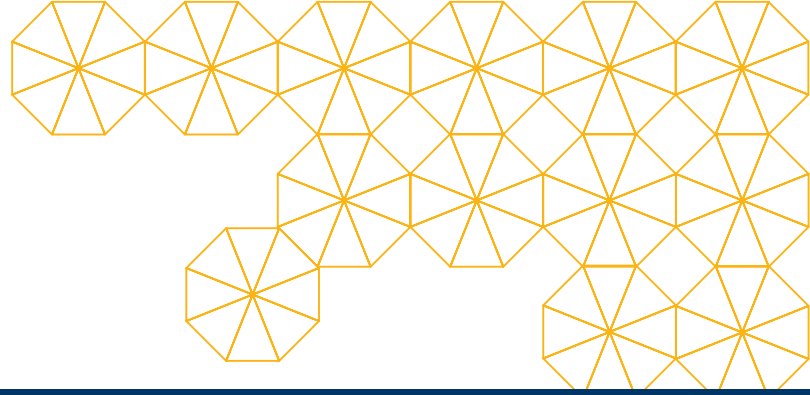




# CLTC

Center for Long-Term  
Cybersecurity

UC Berkeley



## AI Security Initiative

### Analyzing Global Impacts of Artificial Intelligence

The rapid expansion of artificial intelligence has led to a dramatic shift in the global security landscape. For all their benefits, AI systems introduce new vulnerabilities and can yield dangerous outcomes — from the automation of cyberattacks to disinformation campaigns and new forms of warfare. AI is expected to contribute transformative growth to the global economy, but these gains are currently poised to widen inequalities, stoke social tensions, and motivate dangerous national competition.

## WHO WE ARE

The AI Security Initiative works across technical, institutional, and policy domains to support trustworthy development of AI systems today and into the future. We facilitate research and dialogue to help AI practitioners and decision-makers prioritize the actions they can take today that will have an outsized impact on the future trajectory of AI security around the world.

Housed in the UC Berkeley Center for Long-Term Cybersecurity (CLTC), the AI Security Initiative is a growing hub for interdisciplinary research on the global security impacts of AI. We collaborate with a network of UC Berkeley researchers and a world-class advisory board to work across disciplines to expose and manage new threats and opportunities. The Initiative's long-term goal is to help communities around the world thrive with safe and responsible automation and machine intelligence.

## WHAT WE DO

The AI Security Initiative conducts independent research and engages with technology leaders and policymakers at state, national, and international levels, leveraging UC Berkeley's premiere reputation and our SF Bay Area location near Silicon Valley. Our activities include conducting and funding technical and policy research, then translating that research into practice.

Our research agenda focuses on the key decision points that will have the greatest impact on the future trajectory of AI security, including decisions about how AI systems are designed, bought, and deployed. These decisions will affect everything from AI standards and norms to global power dynamics and the changing nature of warfare.



*“Artificial intelligence can bring enormous benefits to the world if we develop the right training, standards, and policies to guide its development and use.”*

– Jessica Cussins Newman  
Program Lead, AI Security Initiative

We convene international stakeholders, hold policy briefings, publish white papers and op-eds, and engage with leading partner organizations in AI safety, governance, and ethics.

## WHY WE NEED YOU

We're expanding our research team of faculty, students, and staff to tackle the emerging security challenges stemming from artificial intelligence. Your generous support will enable us to empower more researchers through targeted grants awards, and to scale our impact by advancing more cutting-edge research toward practical application.

**\$5,000+** funds a summer stipend for a graduate student to initiate a research project within the AI Security Initiative.

**\$25,000+** provides a named fellowship for one graduate student to conduct and publish original AI security research.

**\$100,000+** funds innovation by supporting mid-career experts from industry, government, and academia to advance practical applications of AI security research as AI Security Initiative Fellows.

### For more information contact:

Shanti Corrigan  
Senior Director of Philanthropy  
School of Information  
510-693-8062  
shanti@berkeley.edu

Jessica Cussins Newman  
CLTC AI Program Lead  
Center for Long Term Cybersecurity  
510-918-0070  
jessica.cussins@ischool.berkeley.edu

## QUICK FACTS

8

policy briefings and workshops  
held in 2019

12

original research projects supported

9

international presentations delivered

10

countries surveyed for our research  
on AI policy

**\$15.7 Trillion**

estimated size of the market for  
AI technologies in 2030

