

# Disesdi Susanna Cox

SECURITY RESEARCHER  
SAN FRANCISCO, CA

- ▶ EXTENSIVE EXPERIENCE IN APPLIED AI/ML, PROVEN TECHNICAL LEADERSHIP, & A PASSION FOR PROTECTING WHAT MATTERS

PHONE +1 669 288 0919  
EMAIL disesdi@pm.me

LINKEDIN [linkedin.com/in/disesdi/](https://www.linkedin.com/in/disesdi/)  
PERSONAL [anglesofattack.io](https://anglesofattack.io)

## Work Experience

### AI/ML Architect

Critical Alliance Inc

10/2021 - 09/2022

- ▶ Directed research, data acquisition, and MLOps for newly founded policy organization.
- ▶ Created industry-first OODA Loop-based game theoretic model of information warfare in AI/ML systems & secure debiasing architecture for MLSecOps.
- ▶ Patent written in applied blockchain technology for distributed applications on Web 3.0.

### Head of Machine Learning

Stealth Startup

09/2020 - 10/2021

- ▶ Architected secure & compliant ML data collection and backend, & directed international engineering teams in technical implementation.
- ▶ Led AI/ML for joint research team at Carnegie Mellon University, creating evidence-based product augmentation.
- ▶ Six patents written, including four technical & two design.

### Senior Security Engineer

Undisclosed

03/2014 - 05/2021

- ▶ Organized large scale red team assessments including kinetic, physical, and network security.
- ▶ Leveraged knowledge of law enforcement, social media, financial, civil, & other security systems to evade a multi-agency manhunt for over a year.
- ▶ Mass social engineering and social media manipulation with footprinting & research catalogs.

## Education

### MS Electrical Engineering | Embedded Systems

University of Colorado, Boulder  
Ant. 2023

## Skills + Tech Stack

Threat Intelligence | Pentest | Red Team  
Public Policy | MLOps | Python | C++  
Collaborative | Communicative | Curious  
System Thinker | Problem Solver | Avgeek

## Certificates

### IBM Cybersecurity Analyst

IBM

*Compliance, forensics, penetration testing, incident response*

### Python for Cybersecurity

Infosec Institute

*Privilege escalation, evasion, exfiltration, command & control*

### Digitalisation in Aeronautics

Technical University Munich

*ARINC, MIL-STD, & AFDX standards & manufacturing*

### Cybersecurity Policy for Aviation and Internet Infrastructures

University of Colorado

*Sector frameworks & compliance, securing mobile & fleet assets*

## Projects

Evaluating Robustness of Physical Unclonable Functions (PUFs) For Unmanned Aerial System Authentication With Random Forests & Gradient Boosting

Detecting Cyberattacks In Industrial Control Systems: Ensemble Methods For Binary Classification Of Synchrophasor & Security Logs

## Organizations

Phi Sigma Rho | IEEE Computer Society |  
Society of Women Engineers | American  
Indian Science & Engineering Society |  
Natives in Tech