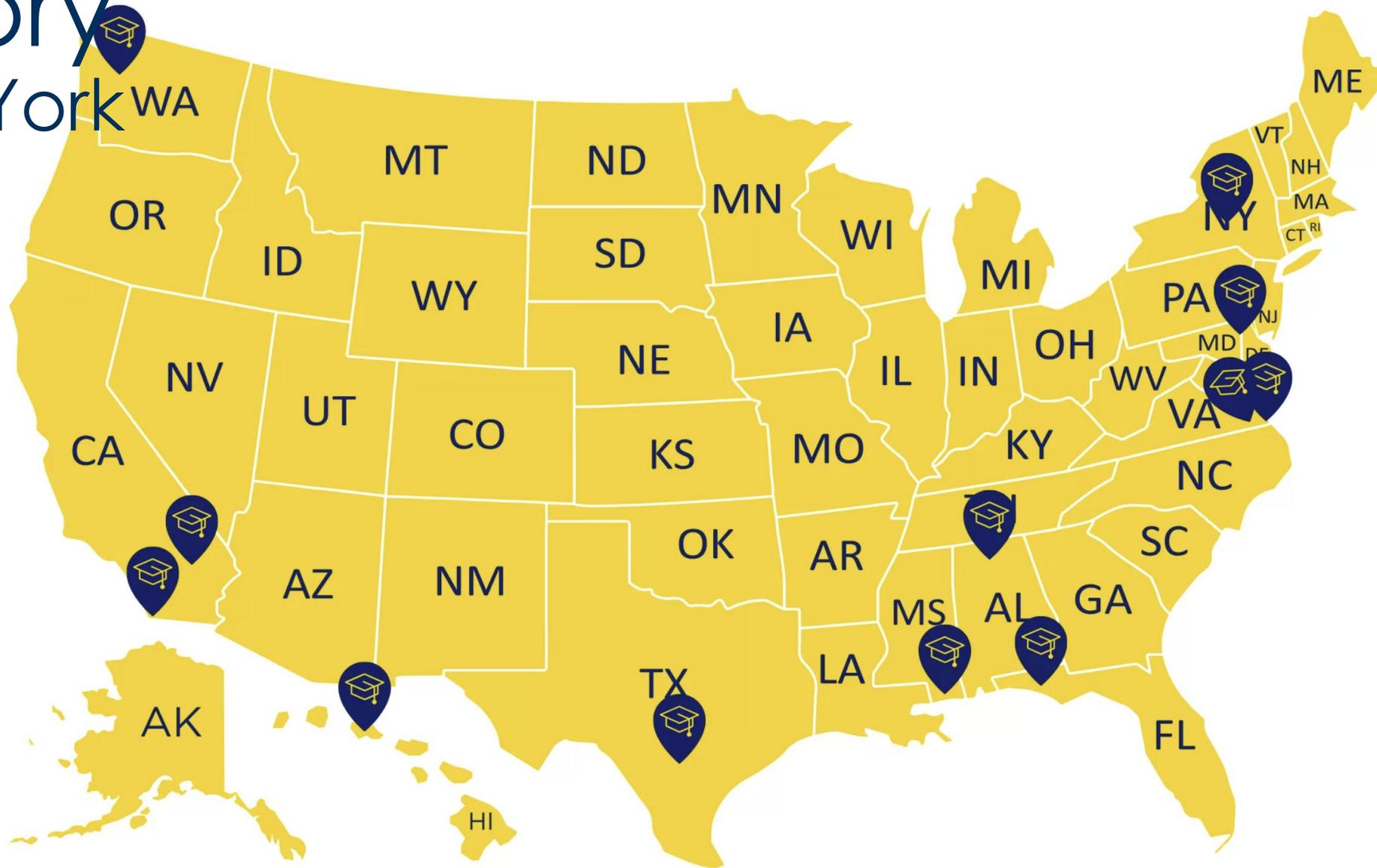# VICEROY MAVEN

- Host Site
- Intern Cohort
- Contracting

- Intern Projects
- Outside of Work
- For Future Interns

Made by Collin Bale

The Air Force Research Laboratory
Rome, New York

The Air Force Research Laboratory
Rome, New York

Air Force Research Lab

Abbreviation:
AFRL

Designations
MAVEN & ENVOY

Location:
Rome, New York

Cohort Info

- 55 Interns
- WSU represented 12% of the interns
  - 2nd highest representation
  - People from across the United States
  - Various majors and skill levels

DoD Contracting:
Assured Information Security

- Team of 2
- Down the street from AFRL
- Project focused on network steganography
- This is where most of my time was spent the latter 6 weeks
- Great on-the-job experience
- Amazing for networking opportunities

Intern Projects

- Drone City – Drone Swarms
- Assured Info Sec – Network Steganography
- IoT Lab in AFRL - IoT
- Software Assurance Lab in AFRL – Software Assurance
- Quantum Computing – Quantum Optimization of AI models
- Aerospace – SWE for Cleaning Up Orbital Debris

AIS's Intern Project

Concept:

- Using Network Steganography for covert communications
- Create a proof of concept to be used by senior engineers as part of a contract

Goal:

- Develop a Python system for effectively encrypting messages, hiding them in network packets, and recovering them remotely

Outside of Work

- Intern Field Trips
  - Beach
  - West Point
  - USS Slater
  - Museums
- Weekend Trips
  - NYC
  - Niagara
- General exploring of the area
  - Great for walking
- Many interns went hiking over the weekends at nearby mountains

Preparing for MAVEN

- Brush up on Linux commands
  - Do their suggested exercises
- Do some research on the area
  - Food spots
  - Hiking
  - Nearby travel destinations
- Get an idea of the climate
- Mentally prepare for the distance

At Your Host-Site

- Leave your dorm room!
- Make friends with as many of the interns as possible
  - At least find a few core friends you can hangout with
- Be ready and fully committed to working
  - Success for many groups was found in consistency and preparedness
- Do not discount your own ability, just be prepared to learn
- Set aside some funds to travel and travel with a small group

On-the-Job

- Commit yourself to the work given to you
- Always remember you are there to learn and gain experience
- Make use of the experience surrounding you
- Read documentation and do the work yourself
- Understand the full scope of the problem and create a plan before all else