



**Testimony in Support of SB801:  
Cyber Maryland**

**March 7, 2023**

Senator Katie Fry Hester  
Legislative District 09  
Howard and Montgomery Counties

Chair, Joint Committee on Cybersecurity,  
Information Technology, and  
Biotechnology

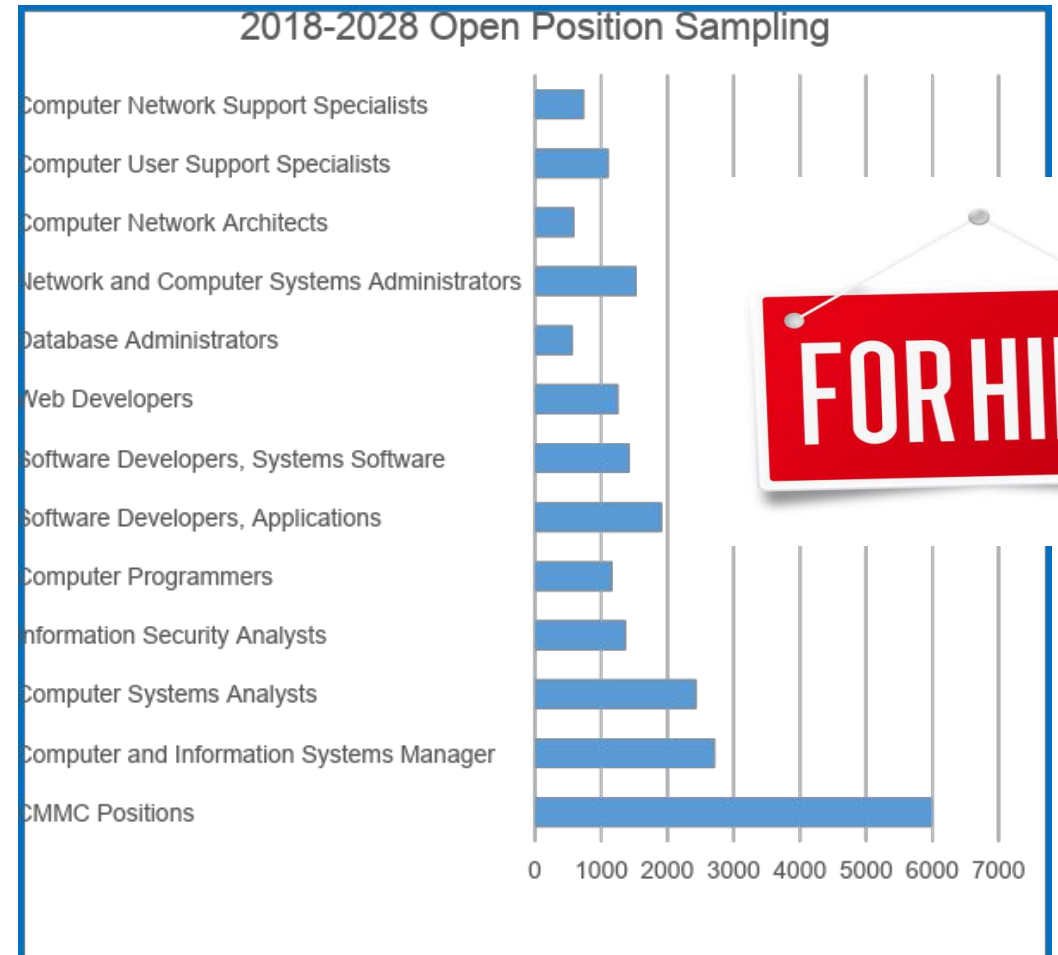
# MD Cybersecurity Ecosystem

- Maryland has an amazing ecosystem of cybersecurity assets: Fort Meade, NSA, NIST, etc.
- DoD and the contractors that support DoD represent a huge number of employers.
- Filling these jobs secures MD's place as #1 in the world.



# ~20,000 unfilled cyber jobs haunt MD

- In Maryland, the need for cybersecurity workers has increased from ~7,500 in 2017 to ~20,000 in 2022.
- DoL Workforce Projections identify – 18,657 unfilled Cyber / IT positions *(Exclusive of CMMC requirements for 6,000 practitioners)*
- In 2022, nationwide the number of unfilled Cyber / IT positions exceeded 1.8M



# We can increase workforce by over 50% by filling open jobs over the next 2 years.

## Maryland

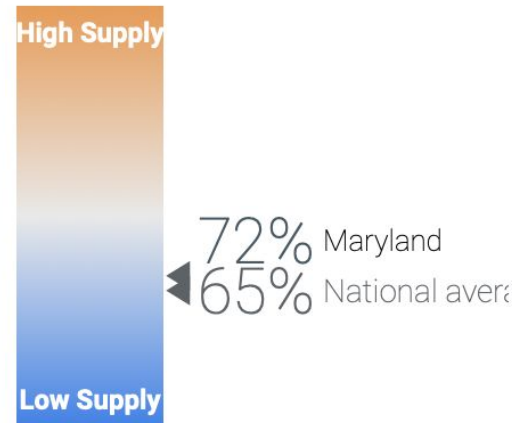
### TOTAL CYBERSECURITY JOB OPENINGS ⓘ

24,612

### TOTAL EMPLOYED CYBERSECURITY WORKFORCE ⓘ

46,422

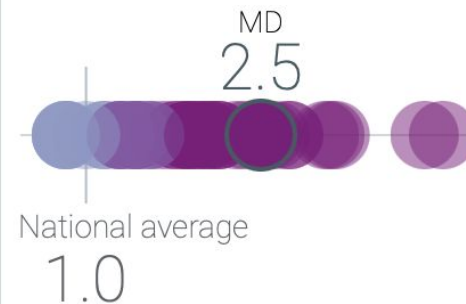
### SUPPLY/DEMAND RATIO ⓘ



### GEOGRAPHIC CONCENTRATION ⓘ

Very High

### LOCATION QUOTIENT

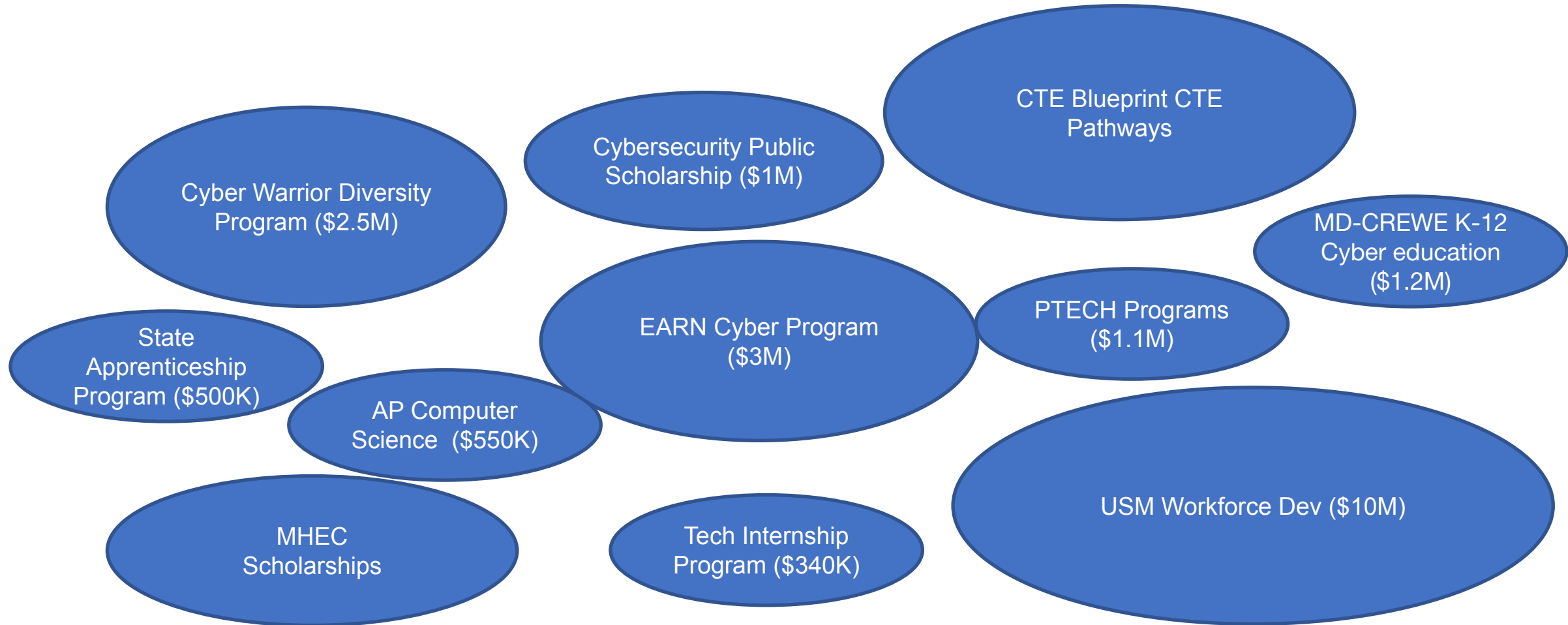


### TOP CYBERSECURITY JOB TITLES ⓘ

- Systems Engineer
- Software Developer
- Cybersecurity Manager
- Cybersecurity Analyst
- Network Engineer
- Systems Administrator
- Cybersecurity Consultant
- Penetration & Vulnerability Tester
- Cybersecurity Specialist



# We are ALREADY investing millions...



# Georgia Cyber Center

## The Evolving Ecosystem

### ACADEMIA

GOVERNMENT – PRIVATE INDUSTRY

### STATE

FEDERAL – LOCAL

### RESEARCH & DEVELOPMENT

TRAINING – OPERATIONS

### EDUCATION

TRAINING – EXPERIENCE

- **Catalyst:** U.S. Army Cyber Center of Excellence
- **Structure:** Augusta University, dotted line to Georgia Tech Authority
- **Scope:** Workforce, operations, R&D
- **Funding:** \$100 million

**= Economic Development  
& National Security**

# Cyber Florida



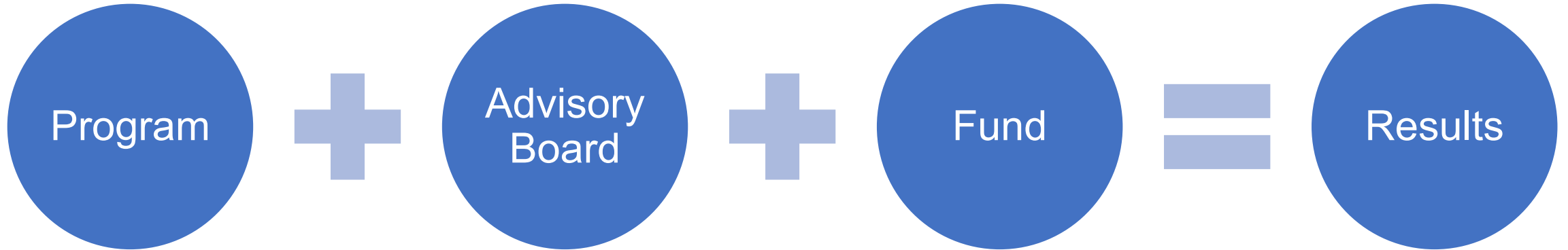
- Under University of Southern Florida
- Goals:
  - **Education:** Increase the number of cybersecurity professionals
  - **Research:** Contribute to state-of-the-art cyber research
  - **Engagement:** Make Florida the most “cyber secure” state
- \$16M annually + \$20M grant for cyber education/workforce development
- Have grant administering authority <https://cyberflorida.org/pathways/>
- Engage K-12 schools: [Cyber Citizenship Education](#)
  - [List of speakers who will come to k-12 schools/universities](#)
  - [Variety of summer camps](#)

# Cyber Maryland

- Fast-track economic mobility through an equitable and inclusive process
- Fill 20,000+ jobs in the next 3 years
- Cultivate the most advanced / diverse state and local IT workforce in the nation
- Inform cybersecurity training and education programs through industry-driven needs
- Leverage existing \$20M state investment + Blueprint
- Secure Maryland's lead in a global competition for talent



# Senate Bill 801



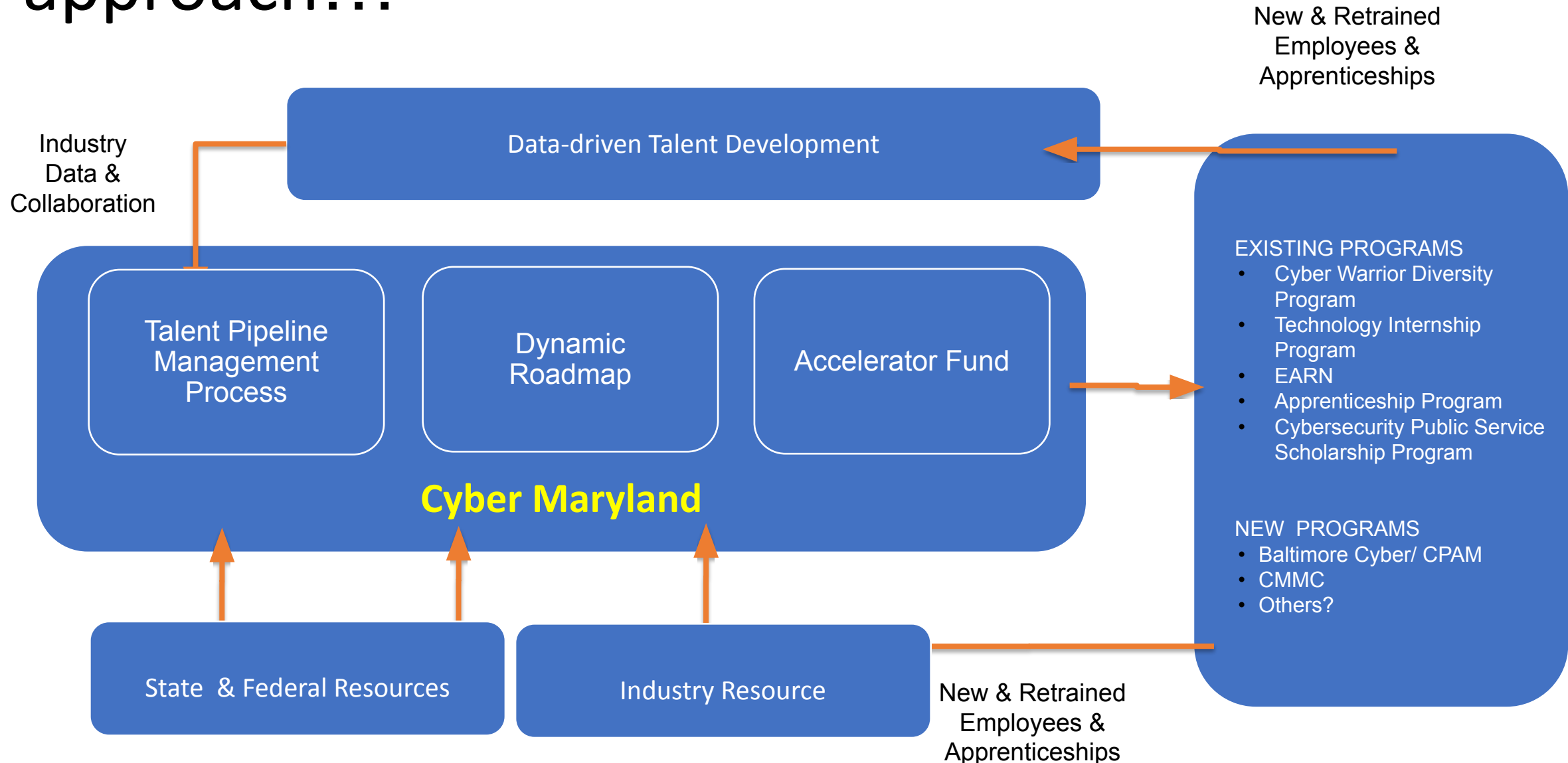
- Analyze real-time industry data to improve existing workforce programs
- Develop cybersecurity workforce roadmap
- Coordinate and accelerate cybersecurity innovation
- Facilitate new programs to meet workforce demand
- Administer the CWA Fund

- Members include: state agencies, universities, private and nonprofit sector
- Provide input on CyberMD strategy & assist Executive Director
- Oversee CyberMD Fund
- Assist with stakeholder workforce engagement

- \$ for cybersecurity workforce development
- Executive Director & Administrator

- 20,000+ job-ready individuals by 2026
- Build the most advanced state and local IT workforce in the nation
- Serve as a one-stop shop for employers seeking to leverage cyber workforce development programs
- Accelerate cybersecurity workforce with industry needs

# Integrates ecosystem data in a proven approach...



# A career in cybersecurity can change lives

