

Marilu Duque

Cybersecurity For Good

MY PATH INTO CYBER

- Myspace Web Design -> Summer STEM Camps
- Scholarships?!?!
- NYU Tandon School of Engineering, B.S. Integrated Digital Media
- University of Michigan -- Ann Arbor, M.S. Information (Data Science & Security)
- Internships: USMC Warfighting Lab (NREIP), US D.O.S VSFS, iSchool Inclusion Institute (i3), UMich MDP, FireEye
- Conferences: CyberWarCon, SANS CTI, BlackHat, DEFCON, The Diana Initiative.
- Solving real world problems, impactful, always something new to learn.
- Current Projects



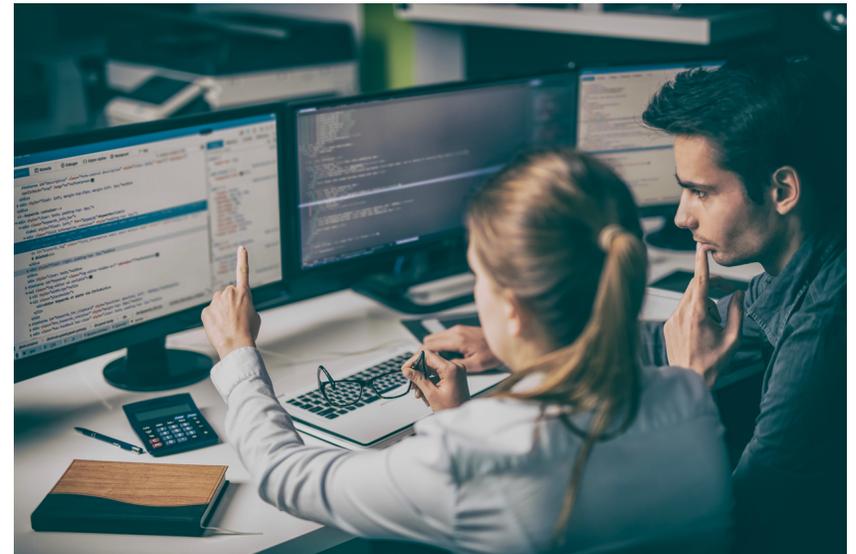
Through Cybersecurity You Can...

- Build Infrastructure
- Inform Policymaking
- Solve Complex Challenges
- Find Endless Opportunities
- Save The World?!



Roles in Cybersecurity

- There are A LOT!:
 - Threat Analyst, Educators, Forensic Analyst, Cybercrime Investigator, Researchers, Designers, Project Managers, Lawyers, Auditors, Blue/Red Team, Governance, Etc.
- Private, Public, Non-Profit Sectors
- Different Fields
 - Medical, ICS, Banking, Defense, Retail Software, TV, Universities, Etc.
- Diverse Backgrounds



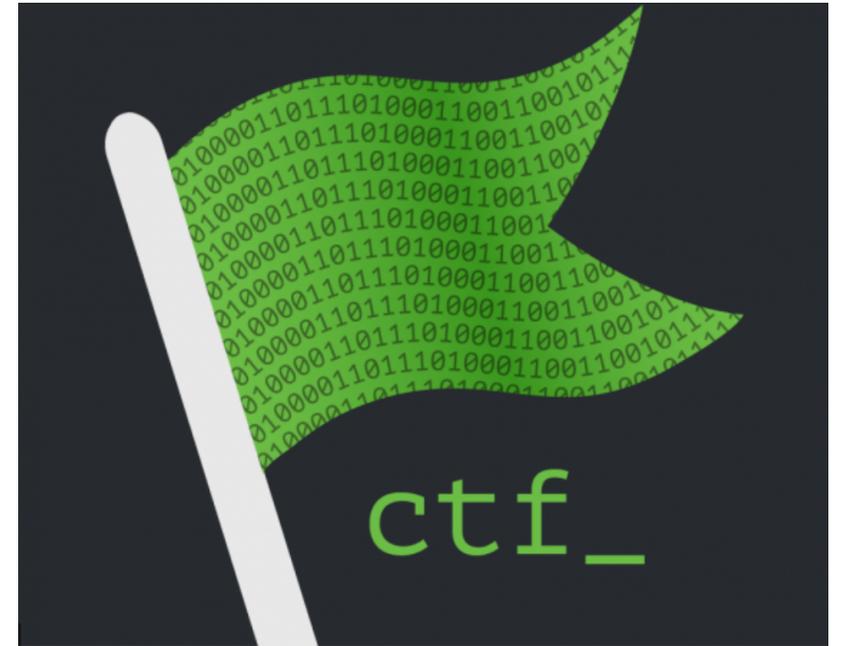
What are security practitioners working on now?

- Election Security
- Educating Protestors
- Educating Older Generations
- Security In Classrooms
- Misinformation & Privacy Activism
- Finding Missing People Using OSINT
- Combat Human Trafficking & Child Exploitation
- Solving Crimes



What You Can Do Now

- **Learn:** Skills, Strengths, Ethics, Stay updated.
- **Practice:** CTF's, Bug Bounties, Create tools, Online Classes.
- **Get Involved:** Start a club, connect, attend conferences.
- **Educate Others**
- **Ask Questions!!**



Thank You! :) Questions?

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Resources – Internships

- [Science and Engineering Apprenticeship Program \(SEAP\)](#)
- [Naval Research Enterprise Internship Program \(NREIP\)](#)
- [Virtual Student Federal Service \(VSFS\)](#)
- [Air Force Research Laboratory](#)
- [Pathway to Science List](#)
- [Google CSSI](#)
- [MITRE](#)
- [NASA](#)
- [CISA](#)



Resources – Online Learning

- [Class Central List](#)
- [SANS Cyber Aces](#)
- [Mossé](#) (They also offer a virtual internship)
- [Resource List](#)



Resources – Get Involved!

- [Cybersecurity Organizations](#)
- [More Organizations](#)
- [Women in Security and Privacy \(WISP\)](#)
- [International Consortium Of Minority Cybersecurity Professionals](#)
- [LinkedIn Groups](#)



Resources – CTF's

- [picoCTF](#)
- [Hack The Box](#)
- [Micro Corruption](#)



Resources – Bug Bounty Info

- [Medium Post](#)
- [GitHub Repo](#)
- [GeeksForGeeks](#)

