

Association for Computing Machinery @ Missouri S&T

Security Division

Webmaster

ACM Security's webmaster manages the club's website at security.mstacm.org. The website provides a place for people to learn about the club, find out what points in spacetime we have our events, access cybersecurity education resources, and sign up for special events like the Wireless Workshop. The website helps establish our presence on campus and among the different divisions of ACM at S&T. The site is written in Bootstrap, stored on GitHub, and hosted on Amazon Web Services.

Skills Involved

- HTML
- Bootstrap CSS
- A small amount of JavaScript
- Amazon Web Services
 - Route 53: hosting to security.mstacm.org from the repo
 - S3 (technically): Route 53 clones the repo to a bucket on S3
- git (CS 1570 wasn't for nothing, was it!)
 - Please use GitHub Desktop it will make your life so much easier

Resources

- GitHub repo: mstacm/security.mstacm.org
- ACM's AWS URL
- Google Forms for event registration
- Stripe for event payments
 - Stripe payment page maker

Responsibilities

Daily

- Check the ACM Security Discord

Weekly

- Attend Meetings — Attend the ACM Security officers meeting
- Give Presentations — Volunteer to give talks during the ACM Security general meetings when you can
- Document Highlights — Update the highlights reel with any notable pictures we may get during special events or weekly general meetings

Monthly

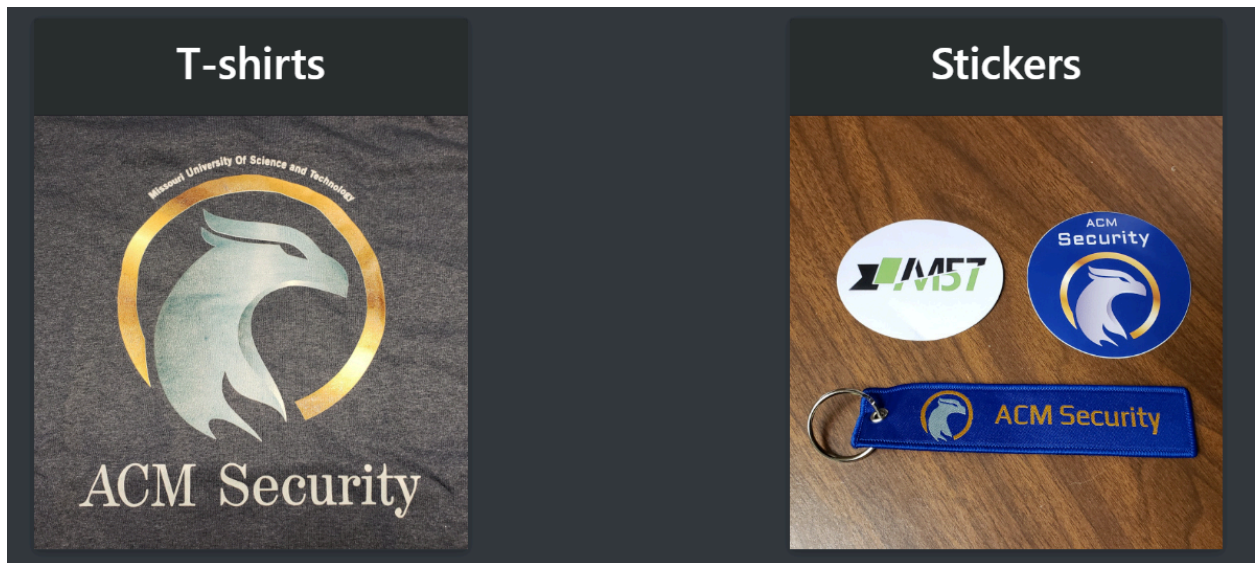
- Talks List — Update the list of upcoming talks with the new list decided on the officers meeting of the last week of every month

Semesterly

- Advertising — Use the platform the website gives to you advertise our once-a-semester events, like Wireless Workshop and Lockpicking Competition
- Event Signups — Manage registration and payment for events
- Learning Resources — Make sure the list of security-related classes in the Learning Resources page is still up-to-date with S&T's current offerings; add new links to the top section when you ever find any
- Officer Profiles — Update the Contact and Archive pages with new officer bios
- Maintain this document for the next guy

Goals I Didn't Meet

- Events Page — I think it would be nice to have an Events page that documents our recurring special events, with pictures and a description of each.
- Component Framework? — I debated for a long time whether it would be good for maintainability to use a component framework to reduce repetition in places, like the Archive page and the highlights reel. If you have the motivation and can come up with one that you think would suit the site's needs, go for it.
 - Gradual transition — can be employed only in the parts where we would benefit from it.
 - Still static — can compile down to a static site; ideally compilation steps would run in a GitHub Action to keep the whole process automatic.
 - Low complexity — if it's not easy to use and comprehend, it's not worth it for the scope of this site.
- Merch on shop.mstacm.org — I'm still working on this with ACM General. Our merch situation has kind of died. AFAIK these are all our offerings:



First Time Setup

- ☐ Get access to the repo
- ☐ IAM account on ACM's AWS
 - You'll get root access to our AWS too
 - Would probably be avoidable if I knew IAM better
- ☐ Join the Stripe group
- ☐ Introduce yourself in the ACM Security administration channels
- ☐ Introduce yourself in the ACM General administration channels

GitHub Repository

Just a static site. Nothing crazy technology-wise, just uses Bootstrap v4 and a couple JS things.

Branches

master	The branch that's live on the website. <u>Just push to this branch and AWS will automatically pull the changes within a few minutes.</u>
cantenna-2022 cyber-boot-camp-2023 cbc-2022-highlights	Old branches basically just for reference from points in time right after putting up one thing or another on the front page. For example, when putting up the page for Cantenna 2022 I looked at the git history for Cantenna 2021 for reference.
new-events-page	When I moved the information that was on the events page over to the front page.
old-site	ooooooooold
pre-static	The website used to run on express.js and have several dynamic pages generated in JavaScript from JSON. It also handled event payment. It just felt complicated and I did some work to compile the dynamic elements down to static HTML/CSS/JS that I could and move elsewhere the elements that I couldn't. <u>This branch is the last commit before I made the site static.</u> In case you care

Kanban Board

There's also a kanban board attached to the repo [here](#). The past webmaster and I used it to organize our plans. You can use it too if you think you'll find it helpful.