

BSidesKC | April 26-27, 2019 | Plexpod Westport: 300 E 39th St, Kansas City, MO 64111

🐦 ([https://twitter.com/\\_BSidesKC](https://twitter.com/_BSidesKC)) in (<https://www.linkedin.com/in/BSidesKC>)



## SCHEDULE

Full screen schedule for desktop and mobile available here ([https://bsideskc2019.busyconf.com/schedule#day\\_5b860c7b12a69d695c000011](https://bsideskc2019.busyconf.com/schedule#day_5b860c7b12a69d695c000011)).

Workshop Room 1	Workshop Room 2	Workshop Room 3	Workshop Room 4	Workshop Room 5	Workshop Room 6
computing and understanding the	exploitation. We'll begin with a review	This is a half-day conference that will have workshops on	should know about? Have you wanted to	Open Source Intelligence	So you've mastered (or not) coding backdoors or finding

procedures and processes of conducting a digital forensics investigation in the Cloud; and second, a half-day challenge to test students' comprehension of the material and their skill sets by investigating a digital image of a Cloud-based server and searching for various "flags" to be turned in as part of a team competition. Prizes will be up for grabs and we anticipate a full crowd for our first time at this conference, so be sure to register as soon as tickets go on sale! For more information visit <https://www.bsideskc.org/forensics-challenge/>

of how memory management works within an IA32 architecture, before diving headfirst into classic attacks such as buffer overflow, format string exploits, and DTOR/GOT overwrites. We'll learn how to write shellcode and bypass non-executable stacks using return-to-libc attacks. Finally, we'll go on some basic mitigations to the techniques we've learned.

This is meant to be a foundational course that can serve as a jumping off point for students wishing to learn more advanced topics such as ROP chains, heap sprays, use after free, and defeating ASLR.

Students should each bring a laptop equipped with VMWare or VirtualBox and provisioned with at least 25GB of disk space and 8GB of memory. Prior exposure to C programming, assembly, and basic memory management concepts are highly recommended in

social engineering, open source intelligence gathering (OSINT) and ethical hacking. Experts in the field of social

### My 1st Security Presentation - How to Keep Your Audience Engaged

8am - 12pm (4h)

Share Tweet Share

Have a cool security topic the world should know about? Have you wanted to present at BSides but didn't know where to start? The goal of this workshop is to arrive with an idea and leave with all you need for an amazing presentation that will keep your audience engaged. Participants will receive handouts that walks you through the presentation process tailored to security and tech specific presentations. All basic materials will be provided. Laptop optional, but take that next step and have a completed presentation when you leave!



#### Olivia Stella

Olivia Stella is a senior security analyst for a US airline. In her current role, she focuses on aviation security and vulnerability management including pen testing and bug bounty. She has over ten years of experience in software development and information security. Previously, she worked at an in-flight entertainment company in product security supporting incident response, risk & compliance, and as the bug bounty lead. She holds a bachelor's degree in computer science, masters in software engineering, CISSP & CISM. When she's not wearing her security hat, she loves to curl and is an avid toastmaster. (That's right, ice curling.)

wanted to participate in a CTF (Capture the Flag), but just don't know where to start? Would you like to work on a fun CTF with others at a similar level, and not have to deal with the frustration of not knowing where to start, or being blown out of the water by the CTF wizard at the next table? Just want to see what CTFs are all about? Well, this is the workshop for you!

present at BSides but didn't know where to start? The goal of this workshop is to arrive with an idea and leave with all you need for an amazing

questions. The class is designed to assist in all walks of life. You will develop the key to an excellent researcher, the mindset of an OSINT

vulnerabilities in software and now you want to interact in meatspace? Hardware hacking is your vector to bypass physical or logical controls but getting started can be overwhelming. Do you know the difference between a capacitor or a supercapacitor?

Close