



Venue:
North East Futures
UTC

Date:
27th September 2025

Time: 09:30 BST

ABOUT BSIDES NEWCASTLE

BSides Newcastle is back for its 7th year!

At its core, BSides Newcastle is all about ‘embracing the weird’ in a way that is educational, entertaining, and wholly memorable.

Our first event in 2019 was held in a skate park (yes, really!) and, while we’ve since become a little more traditional with our venues, attendees can expect to be treated to such sights as 300 cyber security professionals proudly wearing aprons (their attendee badges) and admirable attempts at rewriting songs to have cyber security-relevant lyrics.

All of this is alongside having truly talented individuals share knowledge and insights with their peers, a wealth of networking opportunities, and a friendly and welcoming atmosphere.

BSides Newcastle is organised by a dedicated and passionate volunteer team of industry professionals, purely out of love for their industry and their community.

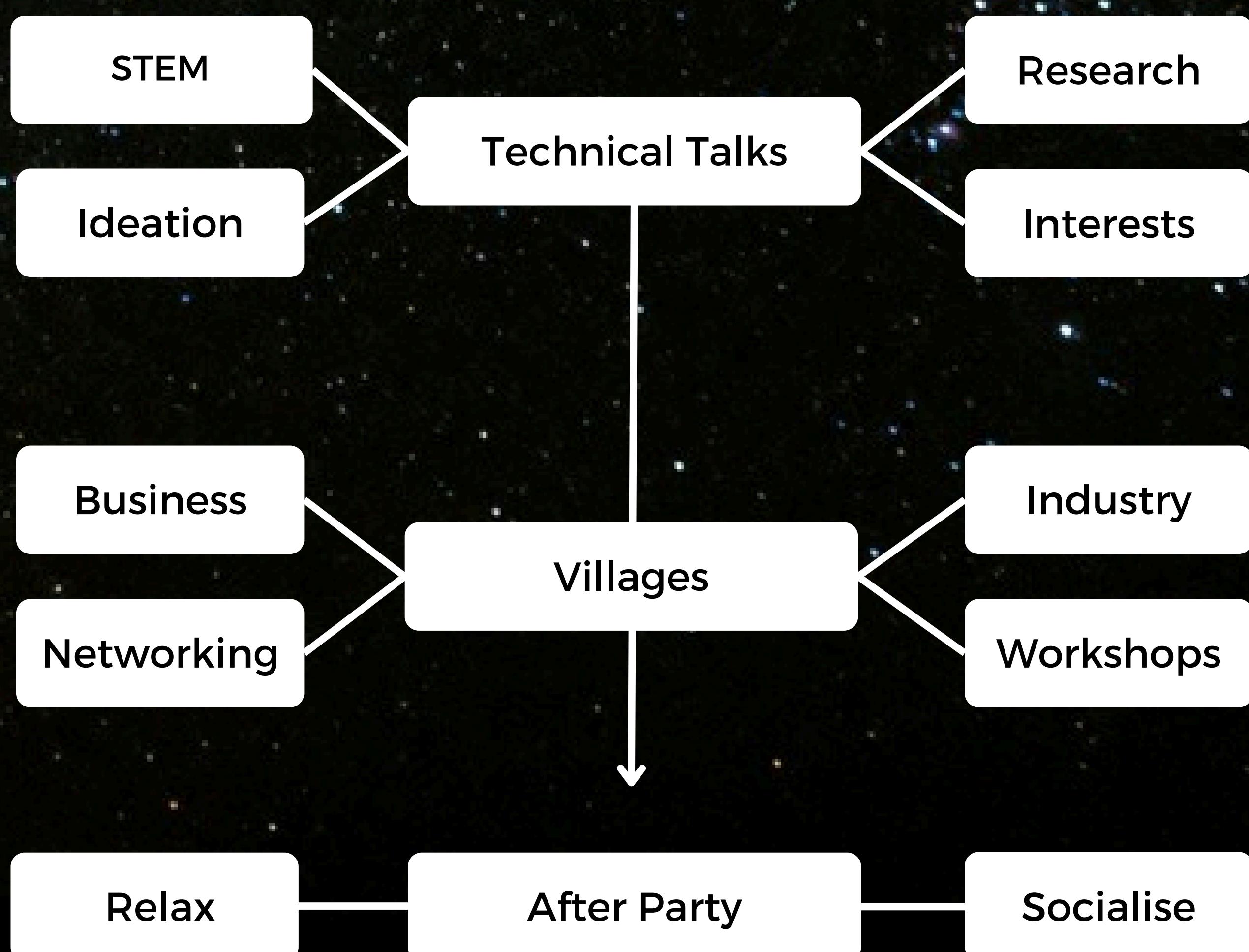


BSIDES NEWCASTLE 2025

BSides Newcastle is quickly becoming the largest BSides in the North East. We are partnered with CyberFest and embedded within the Cyber Corridor.

With a mix of technical talks, and cyber leadership discussions, BSides events are attended by security professionals at all levels, including students, mid-career technical professionals, security consultants, and cyber and IT leaders.

The event will be focused on valuable technical research, inclusion, diversity, and career progression. There will be insights from various disciplines and roles within the industry and will cater to anyone from more seasoned professionals, to anyone with an initial interest in cyber.





For every stage of business

Sage provides the technology and human support to help your business flow.

At Sage, we knock down barriers with information, insights, and tools to help your business flow. We provide businesses with software and services that are simple and easy to use, as we work with you to give you that feeling of confidence. Customers trust our Payroll, HR, and Finance software to make business flow with ease. From our local network of experts to our ever-growing partnerships, we are on hand to give you all the insights you need to thrive.

CODE OF CONDUCT

BSides Newcastle supports inclusion, collaboration, and diversity. Especially diversity of thought and opinion.

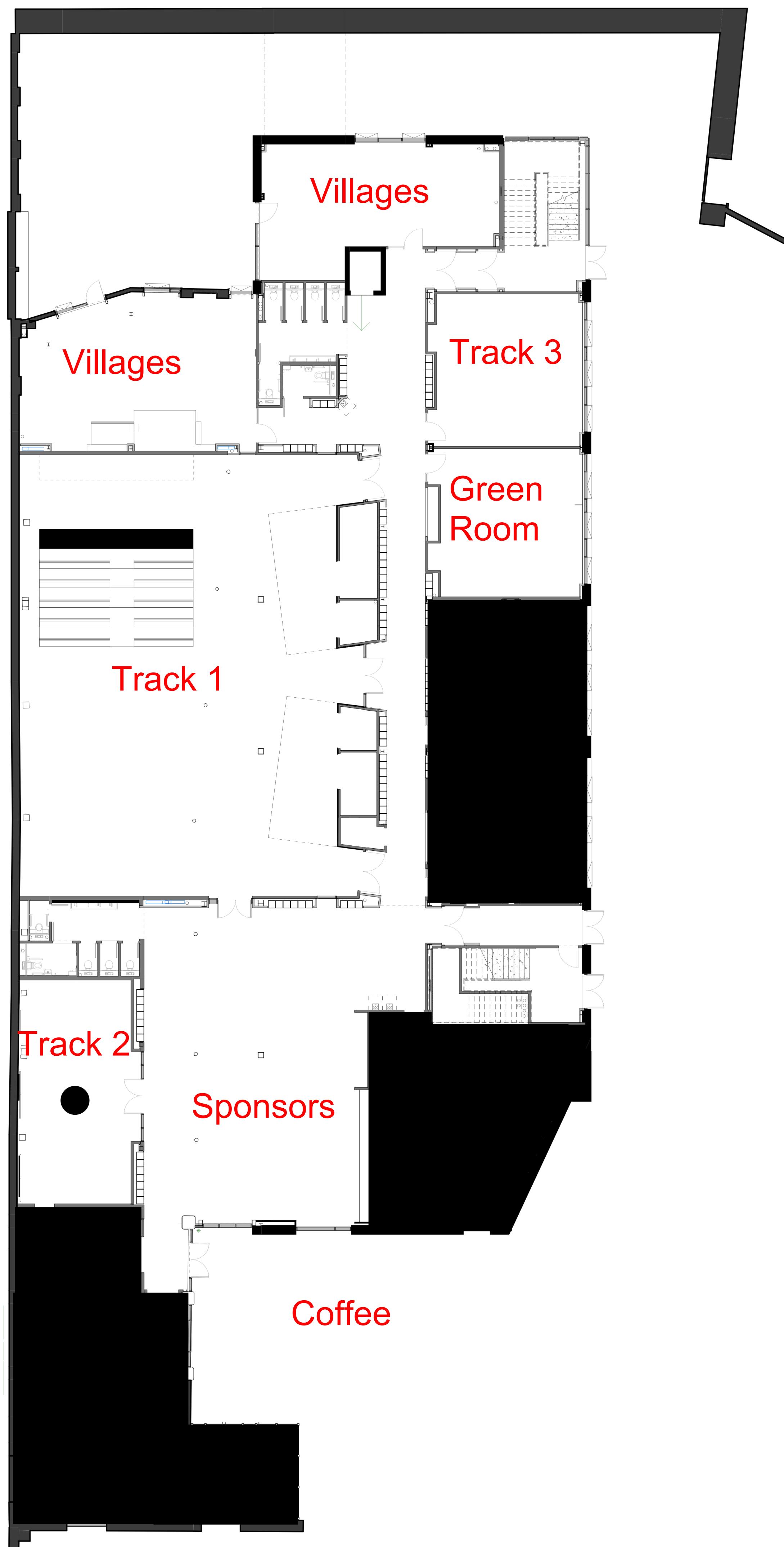
As an organisation that cares about everyone that attends this event, we will not tolerate any form of harassment, and we expect a level of respect for all attendees, sponsors or speakers at this event.

We support the Respect in Security pledge -

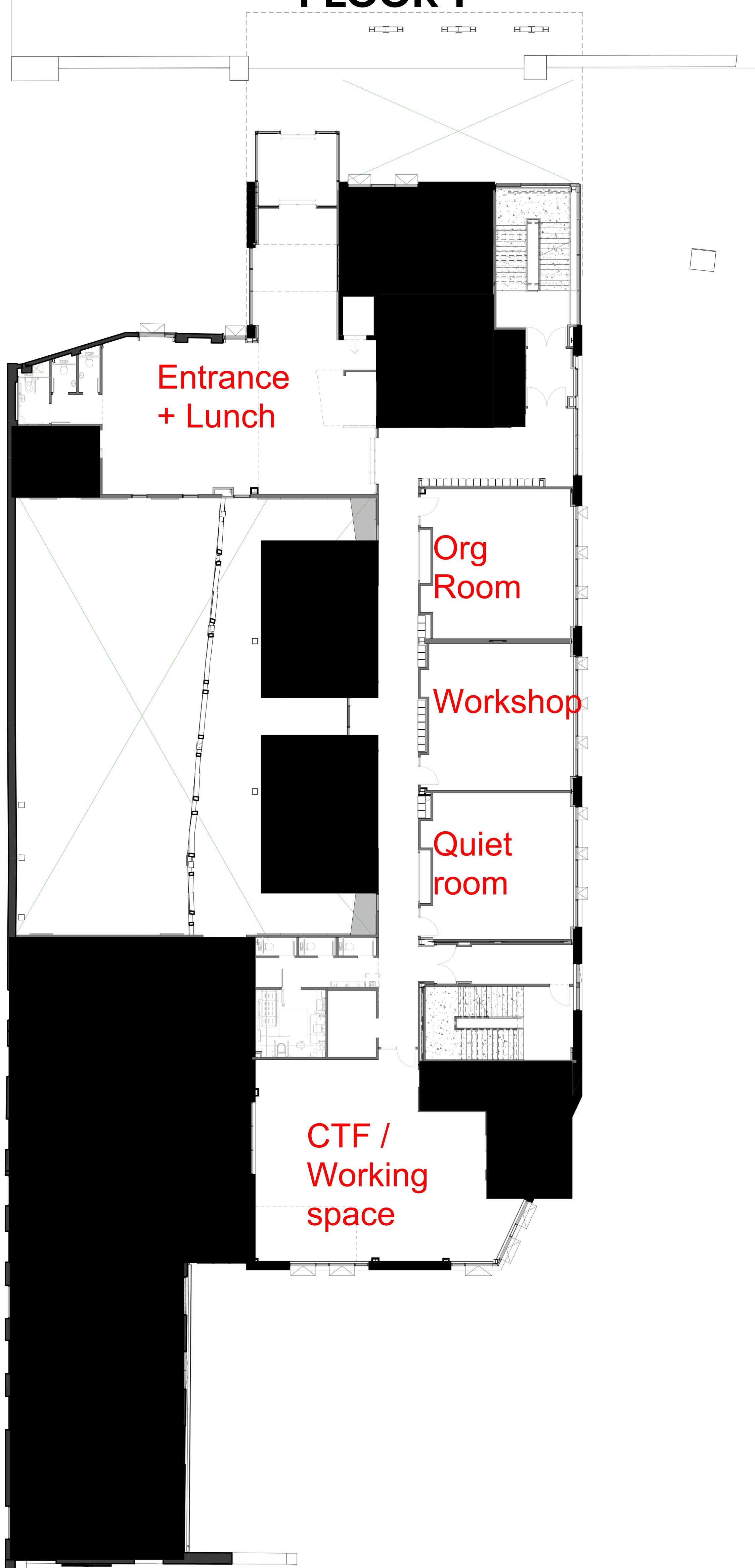
<https://respectinsecurity.org/the-pledge>



VENUE FLOOR 0



VENUE FLOOR 1





Infoblox unites networking, security and cloud with a protective DDI platform that delivers enterprise resilience and agility. Trusted by Fortune 100 companies and emerging innovators, we seamlessly integrate, secure and automate critical network services so businesses can move fast without compromise. Our DDI (DNS, DHCP and IP address management) solutions deliver unmatched performance and control across hybrid, multi-cloud environments, while our security solutions stop threats at the DNS layer, providing preemptive protection everywhere. The result? A smarter, more secure platform—built for the way organizations work today and ready for what's next.

Wi-Fi Sponsor

Ruijie | Recyce 



Track 1 Schedule

	Track 1
09:00	Registration in Lobby & Sponsor Hall Opens. Villages and Sticker Stalls now open.
09:30-9:45	Opening Remarks - BONCL Team
09:45-10:25	Keynote - Dave Lodge: Tautology: From Sputnik to James Webb: satellite comms (and security?)
10:30-11:00	Anthony Fielding: An Expedition to Planet Malware
11:05-11:35	<redacted>: STS-27 was—and remains—a secret mission
11:35-11:55	Pastries Break
11:55-12:25	Donna Goddard: Insider Risk, Myths and Misconceptions
12:30-13:00	Jerry Gamblin: CVE Crisis: State of the Vulnerability Disclosure Landscape
13:00-13:30	Lunch
13:30-14:10	Munchnote - Christine Smoley: A Cognitive Kill Chain: The Psychological Impact of LLMs
14:15-14:45	Kinga Kaiserin: My LinkedIn Profile Picture is a Deepfake - and Yours Should Be, Too.
14:50-15:20	Meletius Mgbeodichimma Igbokwe: ChatGPT Taught Me How to Hack! AI as Adversary, Accomplice, and Instructor
15:20-15:40	Break
15:40-16:10	Gerald Benischke: What will go wrong when ZAP is driven by GenAI
16:15-16:45	Jason Halley: Trains: Built from Disaster
16:50-17:05	Tinfoil Space Hats Competition and Teach Me Something
17:10-17:50	Locknote - Kat Fitzgerald: Oops, I Clouded Again: Misconfigurations, Mayhem, and the Mistakes We Keep Making
17:50-18:00	Closing Remarks - BONCL Team
18:00	Tear Down, Clean Up + Bugger off to the Pub - City Tavern

Keynote - Dave Lodge: Tautology: From Sputnik to James Webb: satellite comms (and security?)

When Sputnik's simple beep-beep was picked up around the world, it proved two things: satellites work, and everyone can hear them. Since then, space has become our ultimate communications backbone – from meteorological satellites telling us whether to pack an umbrella, to GNSS guiding everything from Uber rides to military drones, to space telescopes streaming cosmic data back to Earth. This talk takes a guided tour through the satellite communications timeline. Along the way we'll look at the strange, sometimes shaky, relationship between innovation and security in orbit. How anybody with the right equipment can communicate with equipment in space? Why GPS spoofing is such a big problem? And how do we fix bugs on a satellite that is billions of miles away?

Anthony Fielding: An Expedition to Planet Malware

I've just transitioned from AppSec to malware research and already I've seen enough awful stuff to deliver a talk on which I think will be interesting for the audience. My presentation and delivery style is fun, interactive and quirky. The talk will be suitable for all. Includes technical stuff too.

<redacted>: STS-27 was—and remains—a secret mission



Donna Goddard: Insider Risk, Myths and Misconceptions

Insider risk can be the biggest risk for an organisation, yet it is often dismissed or underestimated. This talk will take the audience through some of the misconceptions & help them gain the knowledge to address it in their own organisation.

Jerry Gamblin: CVE Crisis: State of the Vulnerability Disclosure Landscape

The vulnerability disclosure ecosystem is strained. NVD backlogs and CVE instability create chaos for AppSec pros. This talk dissects the crisis, examines emerging global databases, and offers critical insights for navigating the evolving vulnerability management landscape.

Munchnote - Christine Smoley: A Cognitive Kill Chain: The Psychological Impact of LLMs

Through a discussion of emerging studies and the literature on both artificial and mortal intelligence, this talk considers the significance and potential consequences of LLM use in regards to human cognition, specifically as a threat to autonomy and critical thought, and defensive countermeasures.

Kinga Kaiserin: My LinkedIn Profile Picture is a Deepfake - and Yours Should Be, Too.

Over 90% of deepfakes on the Internet today have nothing to do with fake news, foreign propaganda or celebrity memes. Learn how threat actors exploit easily accessible AI tools, the surprising legal gaps, and practical strategies to protect yourself, your family and your employees.

Meletius Mgbeodichimma Igbokwe: ChatGPT Taught Me How to Hack! AI as Adversary, Accomplice, and Instructor

AI isn't just helping us secure systems it's teaching attackers how to break them. This talk exposes how LLMs like ChatGPT are being used to discover exploits, craft attacks, and bypass controls. See how AI is shaping a new generation of threats and how to fight back.

Gerald Benischke: What will go wrong when ZAP is driven by GenAI

So there I was, I thought cool, cool, I can take the ZAP OpenAI spec, feed it into FastMCP and now the LLM knows how to do ZAP testing. Sit back and watch the bounties roll in?

Well, not quite. Watch me trying to do that live. And probably fall over. Should be entertaining.

Jason Halley: Trains: Built from Disaster

How many will come to BSidesNCL by train? Trains are 22 times safer than cars. Getting here has come at a cost, every incident has brought new standards to make trains safer than ever. In this talk I'll review events of the past & how they've got us closer than ever to the 'perfect' safe system.

Locknote - Kat Fitzgerald: Oops, I Clouded Again: Misconfigurations, Mayhem, and the Mistakes We Keep Making

Cloud misconfigurations are still the #1 cause of breaches—and attackers are getting faster. This talk walks through real-world examples, recorded demos, and open-source fixes. You'll laugh, you'll cringe, and you'll leave with tools to secure your own cloud chaos.



SentinelOne®

World-Leading Cybersecurity.
Powered by AI.

One enterprise platform protecting endpoint, cloud, and data.



tenable®

Track 2 Schedule

	Track 2
09:00	Registration in Lobby & Sponsor Hall Opens. Villages and Sticker Stalls now open.
09:30-9:45	Opening Remarks - BONCL Team
09:45-10:25	
10:30-11:00	Donnan Mallon: Do Or Do Not: The Ramification Of Misinformation
11:05-11:35	Marcus Tenorio: Open Source and CVE's: A Love Story?
11:35-11:55	Pastries Break
11:55-12:25	Ben Docherty: 3D Printing, innit.
12:30-13:00	Kat Fitzgerald: Going Solo: Thriving as a Single Professional in Cybersecurity
13:00-13:30	Lunch
13:30-14:10	
14:15-14:45	Liam McGrath: Rage against the machine(s) - An Intro to Operational Technology (OT) Hacking
14:50-15:20	Dr Clive King: So you want to Launder Money?
15:20-15:40	Break
15:40-16:10	Jordan Powell: Cyber Cat & Mouse: Law Enforcement vs The Dark Web
16:15-16:45	Simon Painter: Hack the Planet! What Movies can Teach Us about InfoSec
16:50-17:05	
17:10-17:50	
17:50-18:00	
18:00	Tear Down, Clean Up + Bugger off to the Pub - City Tavern

Donnan Mallon: Do Or Do Not: The Ramification Of Misinformation

You know star wars right? How it was inspired by the Vietnam war? Well this talk isn't about that (sort of). We live in an age where information is abused and leveraged through various means, those means includes the threat landscape. Let's dive into the ramifications of misinformation!

Marcus Tenorio: Open Source and CVE's: A Love Story?

When we think of Open Source and CVEs, only bad things come to mind: problems and headaches.

But what if I told you that's not the case? That OSS and CVEs form one of the greatest love stories humanity has ever known. Forget Romeo and Juliet; think Log4J and other "love tales".

Ben Docherty: 3D Printing, innit.

From humble desk organisers to chaotic robot builds, this is a whirlwind retrospective of seven years deep in the 3D printing rabbit hole. With around ten printers (give or take), countless masks, RC cars, and firmware battles, Ben shares the lessons learned, the mistakes made, and the weird stuff that somehow worked. A journey from design to debugging—with plenty of melted plastic and a dash of blame for David.

Kat Fitzgerald: Going Solo: Thriving as a Single Professional in Cybersecurity

Burnout advice in security often assumes you've got a spouse and kids. But what if you don't? This talk is for the solo crew, the ones always on call, flying solo, and still told they're lucky. Let's rewrite the narrative and build secure boundaries for a party of one! ok, plus my cat(s)

Liam McGrath: Rage against the machine(s) - An Intro to Operational Technology (OT) Hacking

An intro to OT pentesting, explore how we safely conduct OT pentests in high-risk environments both on the ground and with simulation. Includes lessons learned and a case study where we took over robotic arms and an assembly line in two South African factories - without downtime.

Dr Clive King: So you want to Launder Money?

Money Laundering is an essential enabler for much of Cybercrime. Understanding how money gets moved and cleaned can help guide our own OPSEC, as an individual or Individual Contributor in an organisation, to make it harder for our money to disappear without trace?

Jordan Powell: Cyber Cat & Mouse: Law Enforcement vs The Dark Web

This talk will introduce the Dark Web and identify Law Enforcement (LE) challenges. The talk will also discuss my dissertation project VoidCore a Tor-based CtF to provide a training solution for LE identifying common themes in past attacks against Tor domains.

Simon Painter: Hack the Planet! What Movies can Teach Us about InfoSec

A light & amusing talk about fundamental info-sec principles applicable to any business, but told using Hollywood films, like a terrible password having scene in Batman & Robin, or Jurassic Park and it's lack of a disaster recovery plan. Other films include Hackers & The Net



Gain confidence in your detection coverage

- Detection Engineering Managed Services
- Detection-as-Code Implementation
- Detection Coverage Assessments & ATT&CK Mapping
- Security data pipelines and SIEM cost optimisation
- Threat Detection, Investigation & Response Strategy

Take control of your security data and detections, maximise value from your MSSP and SIEM tooling, and constantly evolve your detections to keep up with attackers

Sainsbury's

Track 3 Schedule

	Track 3
09:00	Registration in Lobby & Sponsor Hall Opens. Villages and Sticker Stalls now open.
09:30-9:45	Opening Remarks - BONCL Team
09:45-10:25	
10:30-11:00	
11:05-11:35	Fraser Wilson: The Weird and Wonderful Ways of Messing with IoT: Unconventional Attack Vectors on IoT Devices
11:35-11:55	Pastries Break
11:55-12:25	Sam Macdonald: So You Want To Be A Hacker?
12:30-13:00	Phani Suresh Paladugu: Silent Channels, Loud Risks: Securing SerDes in AI Hardware Interconnects
13:00-13:30	Lunch
13:30-14:10	
14:15-14:45	Aidan Avraham: Contextual Agentic Garbage Collector: Sweeping Up Misconfiguration Crumbs Before Attackers Do
14:50-15:20	Callum Thomson: How To Pwn A Zune
15:20-15:40	Break
15:40-16:10	Innocent Paul Ojo: Breaking In Without Burning Out: Lessons from Hacking, Learning, and Starting a Cybersecurity Career
16:15-16:45	Tin Foil Space Hats Making
16:50-17:05	
17:10-17:50	
17:50-18:00	Closing Remarks - BONCL Team
18:00	Tear Down, Clean Up + Bugger off to the Pub - City Tavern

Fraser Wilson: The Weird and Wonderful Ways of Messing with IoT: Unconventional Attack Vectors on IoT Devices

IoT devices are all around us creating new attack surfaces, and their nature and location opens up weird and wacky ways of exploiting them from lasers and electromagnets to grey noise. Why just focus on boring old conventional attacks when you can take a romp through the world of weird alternatives?

Sam Macdonald: So You Want To Be A Hacker?

Popping shells is fun! Until you're buried in scoping calls, documentation, and writing reports no one wants to read (but everyone depends on). This talk pulls back the curtain on pen testing, the hacks, the headaches, and the stuff social media forgets to mention.

Phani Suresh Paladugu: Silent Channels, Loud Risks: Securing SerDes in AI Hardware Interconnects

SerDes is fast, invisible and often insecure. This talk exposes how AI hardware interconnects can become attack vectors via signal anomalies, side-channels, and fault injection. Learn how to secure the silent links behind large-scale AI compute.

Avidan Avraham: Contextual Agentic Garbage Collector: Sweeping Up Misconfiguration Crumbs Before Attackers Do

Learn how AI is uncovering hidden security risks in the comments and notes of your policies stuff most tools miss. It's like having a smart cleanup crew that spots trouble before it turns into a real problem.

Callum Thomson: How To Pwn A Zune

I'll show how and why I hacked the Microsoft Zune. I'll show my process as I hunt for bugs, and show how I bypassed the mitigations in place and developed a one-click exploit chain that can be used to dump the encrypted apps so they can be preserved.

Innocent Paul Ojo: Breaking In Without Burning Out: Lessons from Hacking, Learning, and Starting a Cybersecurity Career

Breaking into cybersecurity can feel overwhelming. In this uplifting talk, I'll share how I went from self-learning to securing real systems, demystifying career entry, imposter syndrome, and the power of curiosity, mentorship, and failure.



**BADGE
SPONSOR**

Punk Security

We combine development,
engineering, and security
expertise. We don't just find
issues; we fix them.



Workshop Schedule

	Track 4/Workshop
09:00	Registration in Lobby & Sponsor Hall Opens. Villages and Sticker Stalls now open.
09:30-9:45	Opening Remarks - BONCL Team
09:45-10:25	
10:30-11:00	
11:05-11:35	Teach me something
11:35-11:55	Pastries Break
11:55-12:25	Tin Foil Space Hats Making
12:30-13:00	
13:00-13:30	Lunch
13:30-14:10	
14:15-14:45	Workshop: Lego Serious Play for Cyber Security and Infosec
14:50-15:20	
15:20-15:40	Break
15:40-16:10	Workshop: Continued: Lego Serious Play for Cyber Security and Infosec
16:15-16:45	
16:50-17:05	
17:10-17:50	
17:50-18:00	
18:00	Tear Down, Clean Up + Bugger off to the Pub - City Tavern

Teach me something

Got a weird trick, a niche skill, or a mind-blowing fact? This is your moment. Step up, drop some knowledge, and dazzle the crowd. Whether it's crypto, cooking, or cat psychology—anything goes. The most captivating lesson wins a prize and eternal bragging rights.

Tin Foil Space Hats Making

Channel your inner conspiracy theorist or intergalactic fashionista. In this hands-on session, we'll sculpt shimmering headgear worthy of alien diplomacy, satellite evasion, or just pure chaotic creativity. Materials provided. Style points awarded. Cosmic vibes guaranteed.

Philip Veal: Lego Serious Play for Cyber Security and Infosec

Cyber security is a constantly evolving discipline involving numerous threats and actors. We are often told to "think differently" or to "be innovative" about any scenario we face. This workshop will equip you with methods to do just that - all while having fun.



HACK THE BOX



ActiveFence

ActiveFence is the leading provider of AI security and safety solutions for online experiences and AI applications, safeguarding more than 3 billion users, top foundation models, and the world's largest enterprises and tech platforms every day.

As a trusted ally to major technology firms and Fortune 500 brands that build user-generated and GenAI products, ActiveFence secures applications against prompt injection and other attacks with Real-Time Guardrails and continuous Red Teaming.

Powered by deep threat intelligence, unmatched harmful-content detection, and coverage of 117+ languages, ActiveFence enables organizations to secure their applications, deliver engaging and trustworthy experiences at global scale while operating safely and responsibly across all threat landscapes.

For more information visit <https://www.activefence.com>

BSides NCL CTF "Operation Starfall"

The Galactic Security Agency (GSA) has detected unusual activity suggesting potential extraterrestrial infiltration of Earth's space programs. A series of personnel transfers, unexplained astronomical observations, suspicious financial transactions, and network anomalies have raised red flags. Your investigation will take you through classified databases, requiring you to piece together evidence that may reveal the truth behind "Operation Starfall" - a mysterious project that appears in fragments across all systems.

DRINKS

PRICE LIST

HOT DRINKS

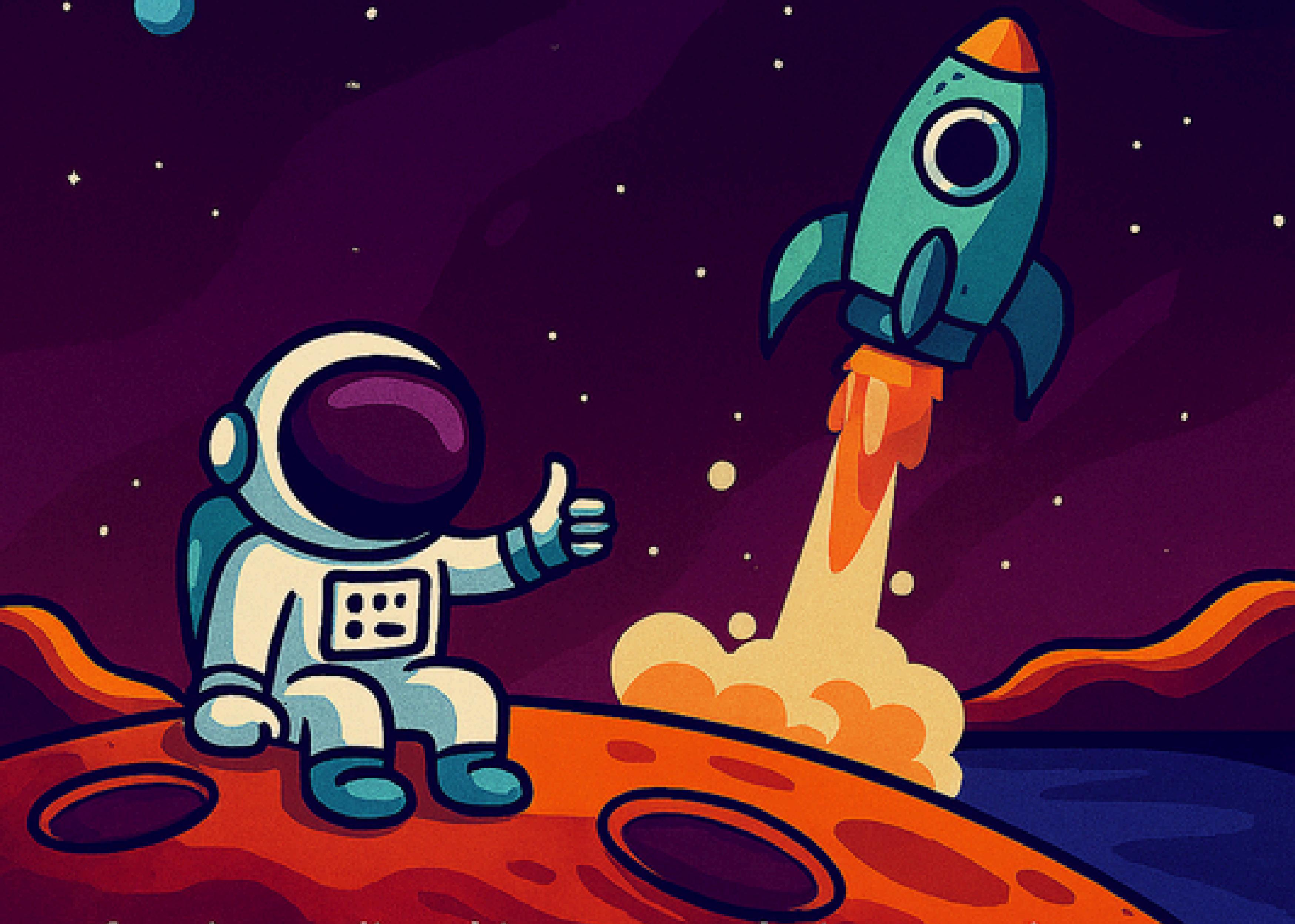
ESPRESSO SHOT	£3
AMERICANO	£3
LATTE	£3.50
CAPPUCCINO	£3.50
FLAT WHITE	£3.50
TEA / DECAFF TEA	£2
DECAFF KENCO COFFEE	£3
HOT CHOCOLATE	£3.50
ADD A SYRUP (HAZELNUT, CARAMEL, VANILLA)	50p

COLD DRINKS

ICED COFFEE	£4
FRUIT COOLERS	£3
CANS OF POP	£2
WATER	50p
PUP CUP 🐾	50p



BSIDESNCL NOW 81% MORE INTERGALATIC



If you're reading this, congratulations--you've reached the end of the programme and survived re-entry. Whether you've built a tinfoil hat, reverse-engineered a robot, or just loitered near the snacks, your mission has been a success. Please return your brain to its upright position and prepare for launch into the afterparty nebula. Remember: in space, no one can hear your talk get cut off by the 5-minute.