C Y B E R I U M A R E N A

v2.0.1

Real machines.
Real attacks.
Real proof.

Students work on live systems, investigate intrusions captured this morning, and finish with a credential any employer can verify in one click.

331,000+	3,700+	20+	1,800+
REAL ATTACKS CAPTURED	LIVE MISSIONS RUN	CAREER PROGRAMS	PROJECT SUBMISSIONS

THE STUDENT EXPERIENCE — FROM FIRST LOGIN TO VERIFIED PROFESSIONAL

THE JOURNEY

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The student experience — from first login to verified professional.

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01 / THE PROBLEM

The gap between a certificate and a capability

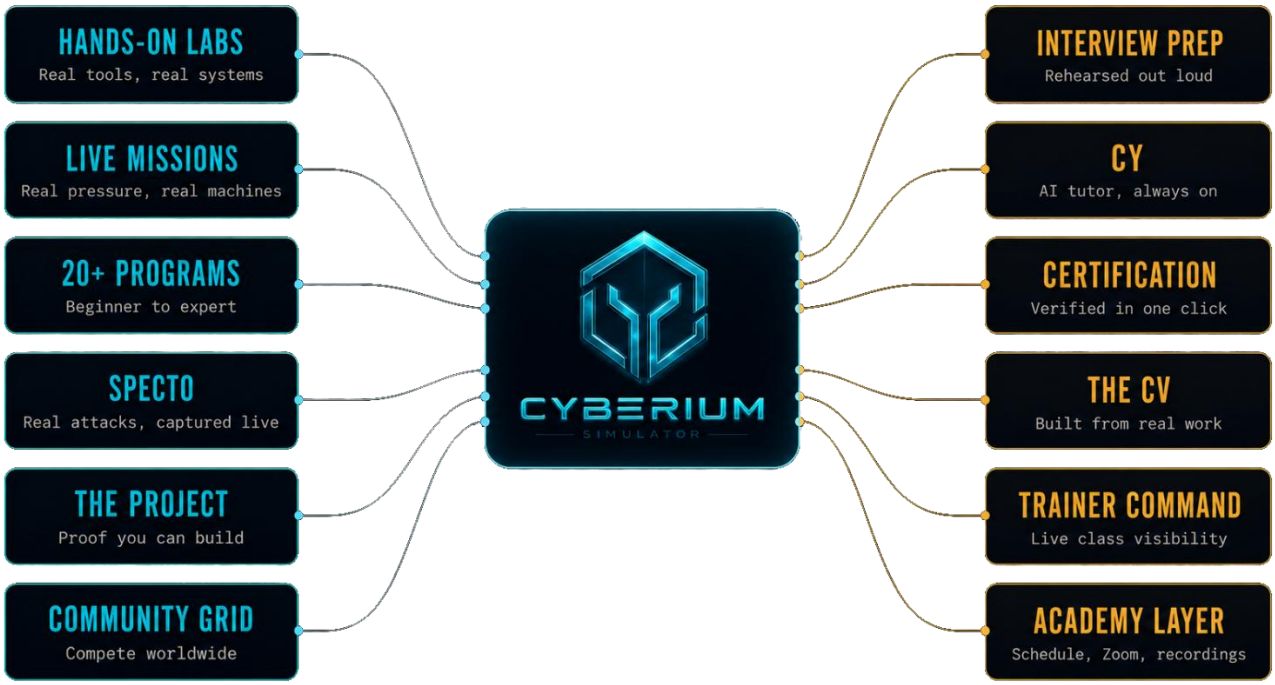
> ***Cyberium was built for one outcome: graduates who can do the job on day one.***

Cybersecurity has no shortage of courses. It has a shortage of people who can sit at a live system, under time pressure, and **do the work**. Certificates are easy to collect; capability is not — and every organization that has ever hired from a paper CV knows the difference.

The reason is simple. Learning built from multiple choice, simulated screens and recorded lectures can be completed without ever touching anything real. Knowledge goes in — but the ability to perform never forms, **because it was never demanded.**

Cyberium Arena was built the other way. **Everything on the platform demands real performance.** Every lab is real hands-on work on real systems, and every answer is an exact result the system either produced or did not. Every mission runs under a live countdown. Every exam is watched by a human proctor on video. And the attack data students investigate was captured by Cyberium's own sensors — some of it this morning.

The pages that follow show the student journey from first login to hired professional — and the single principle behind every step: **on Cyberium, students perform real work, and the platform proves it.**



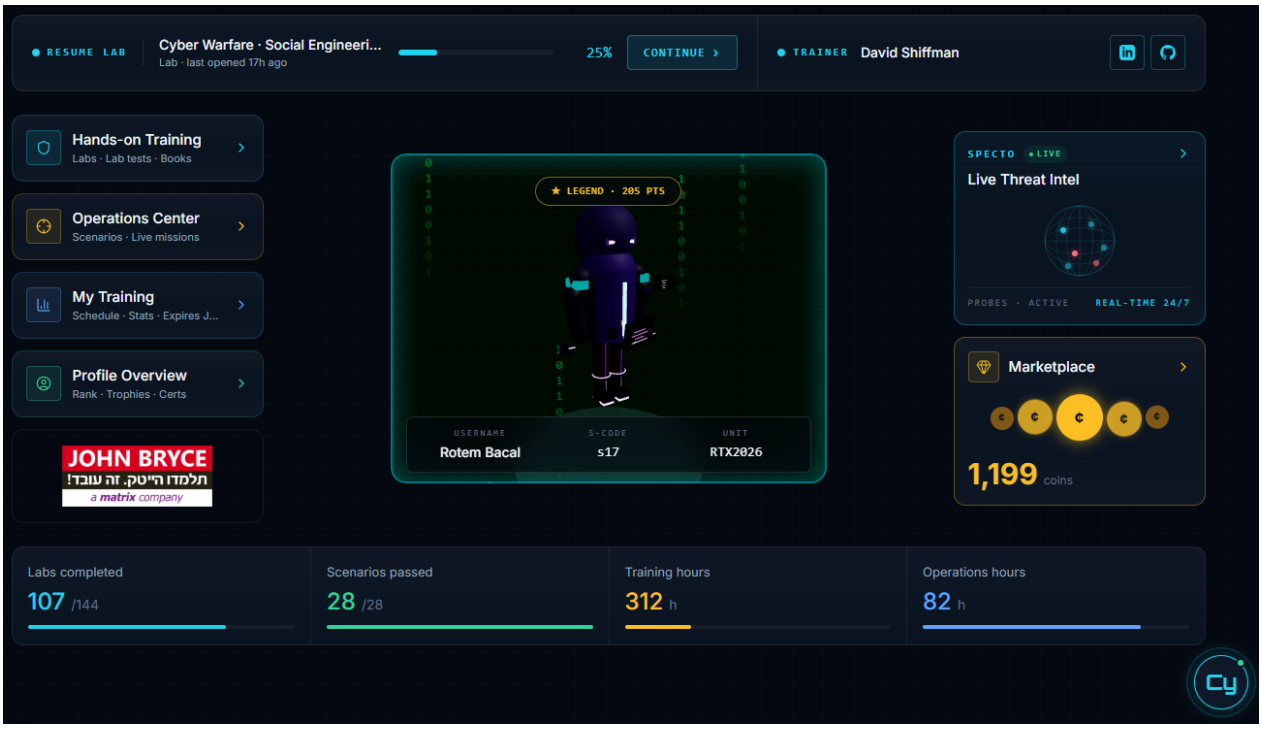
02 / DAY ONE

The dashboard: belief begins in the first ten minutes

> ***From the first ten minutes, students see the real world they are training for.***

The first thing a new student sees is not a syllabus. It is a **3D globe of the world, showing live attack activity** from Cyberium's own sensor network — machines placed across four continents whose only purpose is to be attacked. They have recorded over 331,000 genuine intrusion attempts from more than 40 countries. Before the first lesson, the student has watched the internet try doors. Everywhere. Non-stop.

No lecture teaches what that globe teaches in thirty seconds: **this never stops, and it is why you are here.** That belief is the fuel for every hour of effort that follows — which is exactly why it must be the first thing a student sees, not a picture in a brochure.



Around the globe, the dashboard shows the student's whole world: their **program progress ring**, their **coin balance and rank**, today's session, and **Cy** — the AI assistant — greeting them by name. From minute one, the platform feels less like a course portal and more like a workstation they have been issued. That feeling is deliberate, and it is where retention begins.

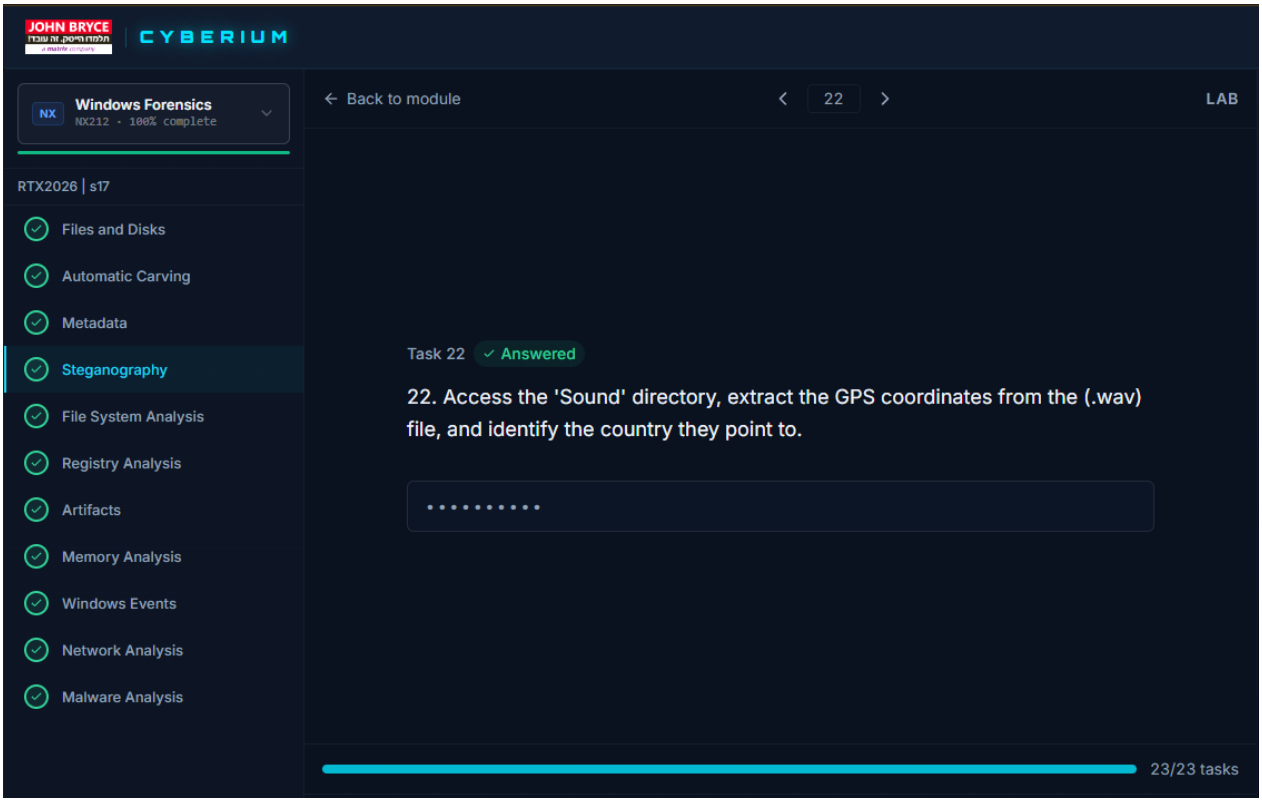
03 / THE CORE

Hands-on training: skill only forms by doing

> ***Skills are built by doing. Every task on Cyberium is real work with a real, checkable result.***

This is where the student lives for months, and it is the engine of everything else. Every program is a series of modules, and each module opens as **four color-coded strips that unlock in order**:

- >> **Lab —** the main hands-on task set, worked in a real environment. High accuracy unlocks the next strip.
- >> **Extra —** deeper practice on the same ground — because repetition with variation is how skill becomes solid.
- >> **Lab Test —** the module exam. Timed, scored on speed and accuracy, and built like a real exam (below).
- >> **Slides —** the theory and reference layer — always there, never a substitute for the work.



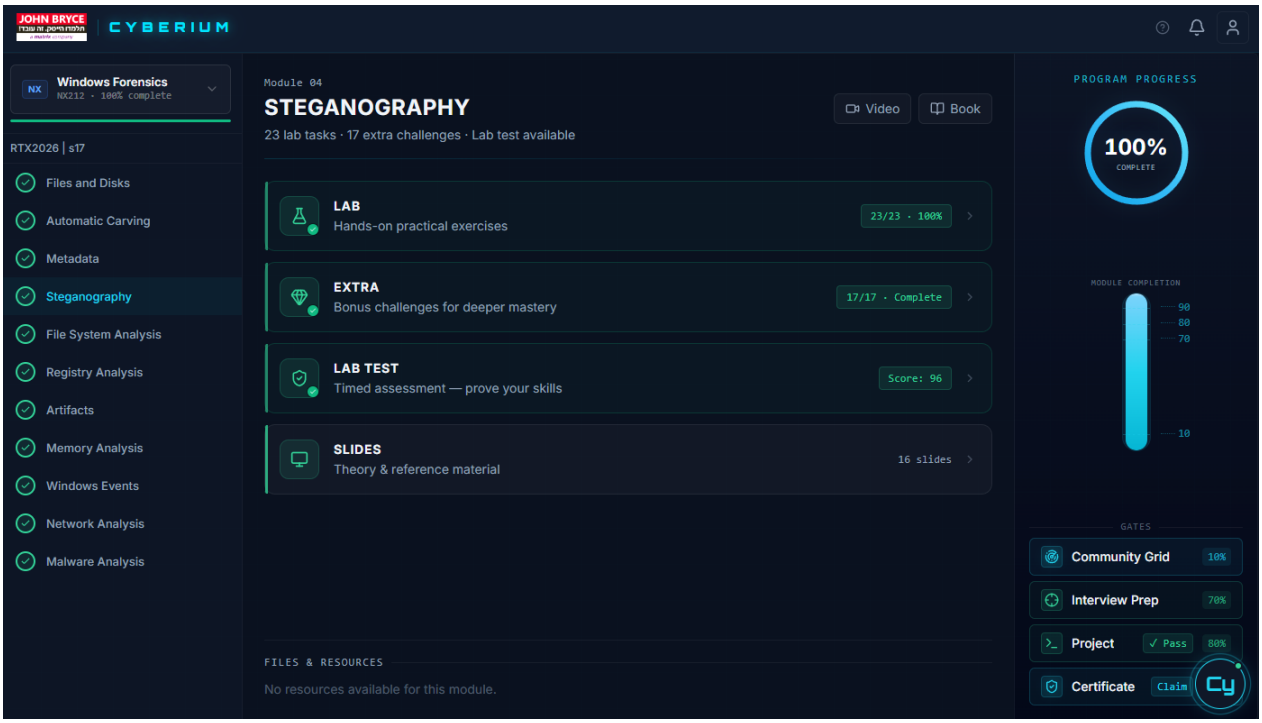
What a lab actually is matters: **real tasks in real working environments** — real operating systems, real tools, real network traffic, real logs. The student does the work and reports back an exact result: a full log line, an Event ID, a process name, a file hash, a port number. Every answer is something the student produced with their own hands — and that is exactly why the skill stays.

04 / THE LADDER

The thermometer: motivation, made visible

> ***Students always see the next reward — so they keep climbing, month after month.***

On every training screen sits a progress ring, marked with exactly what each percentage unlocks. Progress is never abstract; the student always knows what the next thing is and what it costs in effort. This one object does more for month-three persistence than any reminder email ever written:



10%	70%	80%	85%	90%
COMMUNITY GRID	INTERVIEW PREP	THE PROJECT	AUTO SCENARIOS	CERTIFICATION

The order is not decoration — it is teaching design. The social layer opens early, when belonging matters most. Interview practice opens only when there is real knowledge to practice. The project opens when the student can build real work. Certification opens last, **when passing it is realistic**. Every unlock is a promise the platform keeps, and every kept promise buys the next month of effort.

For an organization, the thermometer answers the quiet question behind every training decision: **will my people actually finish?** On Cyberium, finishing is a climb the student can see — and people reliably climb ladders they can see.

05 / THE MAP

20+ programs: a career path, not a course catalog

> ***Cyberium builds the full career path, step by step, from beginner to expert.***

Cyberium's catalog holds **more than 20 career programs across 7 levels** — hundreds of modules, hands-on labs, timed lab tests and live scenarios — organized into three families that mirror how careers are actually built. New programs are added continuously.

XE — FOUNDATIONS		NX — DEFENSE & FORENSICS		ZX — OFFENSIVE SECURITY	
XE100	Security Awareness	NX201	Network Research	ZX301	Penetration Testing
XE101	Intro to Cyber	NX220	SOC Analyst	ZX305	Network Security
XE103	Linux Fundamentals	NX212	Windows Forensics	ZX311	WebApp Security
XE105	Python Fundamentals	NX215	Linux Forensics	ZX322	Offensive Python
XE107	Web Fundamentals	NX216	Network Forensics	ZX327	Offensive Linux
XE109	AI Fundamentals	NX214	OSINT	ZX310	Cyber Warfare
		NX232	Malware Analysis	ZX331	Exploit Development I
				ZX332	Exploit Development II

>> **XE — Foundations —** no prior IT background needed. This is where a motivated beginner becomes a candidate.

>> **NX — Defense, forensics and intelligence —** the blue-team path and the largest family. Its flagship is NX220 SOC Analyst — SIEM, Splunk, MITRE ATT&CK, threat hunting, incident response: the most employable profile in the industry.

>> **ZX — Offensive security —** the red-team path, from Penetration Testing up to Cyber Warfare and exploit development.

Academies typically run the pipeline: **XE foundations to qualify beginners, NX220 SOC Analyst as the flagship job-ready outcome, then the ZX path** for students moving toward offensive roles. A company can take an IT technician in at the bottom and bring a SOC analyst out the top — on one platform, with one progress record, and one set of verified credentials.

Why this matters to the full picture: everything else in this journey — the missions, the interviews, the certification — is only as valuable as the curriculum under it. The path is what turns impressive features into **a route from where your people are to where you need them to be.**

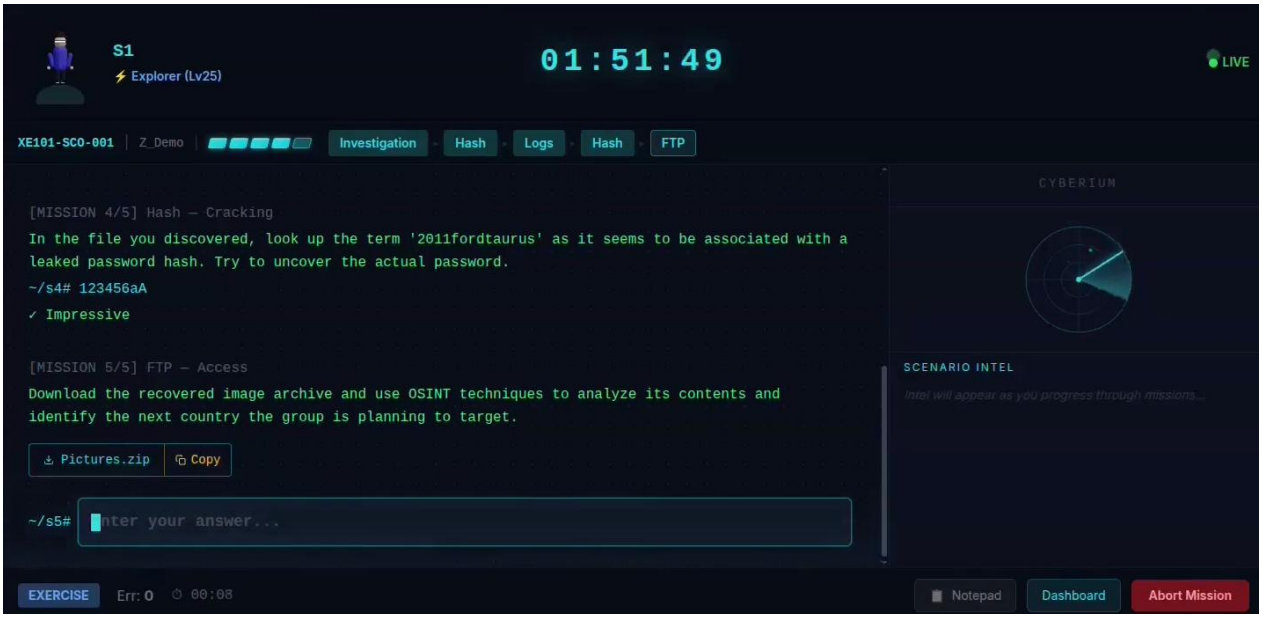
06 / THE SHOWPIECE

Live missions: pressure is the missing ingredient

> ***Missions train students to stay calm and perform under real time pressure — before it counts for real.***

Nothing else in training looks like this. A trainer launches a scenario. Students land in a lobby and are pulled into the mission the instant it starts. Then:

- >> **The briefing types itself —** onto the screen, and a countdown begins — cyan, shifting amber as time runs low, pulsing red in the final minute with an audible warning tone.
- >> **The machines are real —** and the tasks are sequential. Correct answers, wrong answers and mission completion each have their own sound.
- >> **A wrong answer costs —** a short lockout overlay — long enough to hurt, short enough to keep the mission moving. In Compete mode it also costs points. Mistakes have a price, exactly as they do in real work.
- >> **Discovered intel builds up —** automatically — indicators of compromise the student uncovers are collected into a live Intel bar as reference chips. In team modes, a live squad chat runs alongside.
- >> **The ending is earned —** an animated shield resolves into the result: score, trophy tier, coins. Then the report — per-task strengths and weaknesses, comparison to the class average, and rank within the class.



Missions run as **Compete** (scored and ranked) or **Exercise** (same mission, no scoreboard) — whole class, teams moving together, or students hand-picked by the trainer. More than **3,700 live mission sessions** have been run in production.

Why this is non-negotiable in the full picture: labs build skill; missions build **calm under pressure**. A graduate who has felt a red countdown forty times does not feel it for the first time during a real incident on your network. That is exactly the graduate you want.

07 / THE REAL WORLD

Specto: attacks captured this morning

> ***Cyberium students investigate real attacks, captured by our own sensors — some of them this morning.***

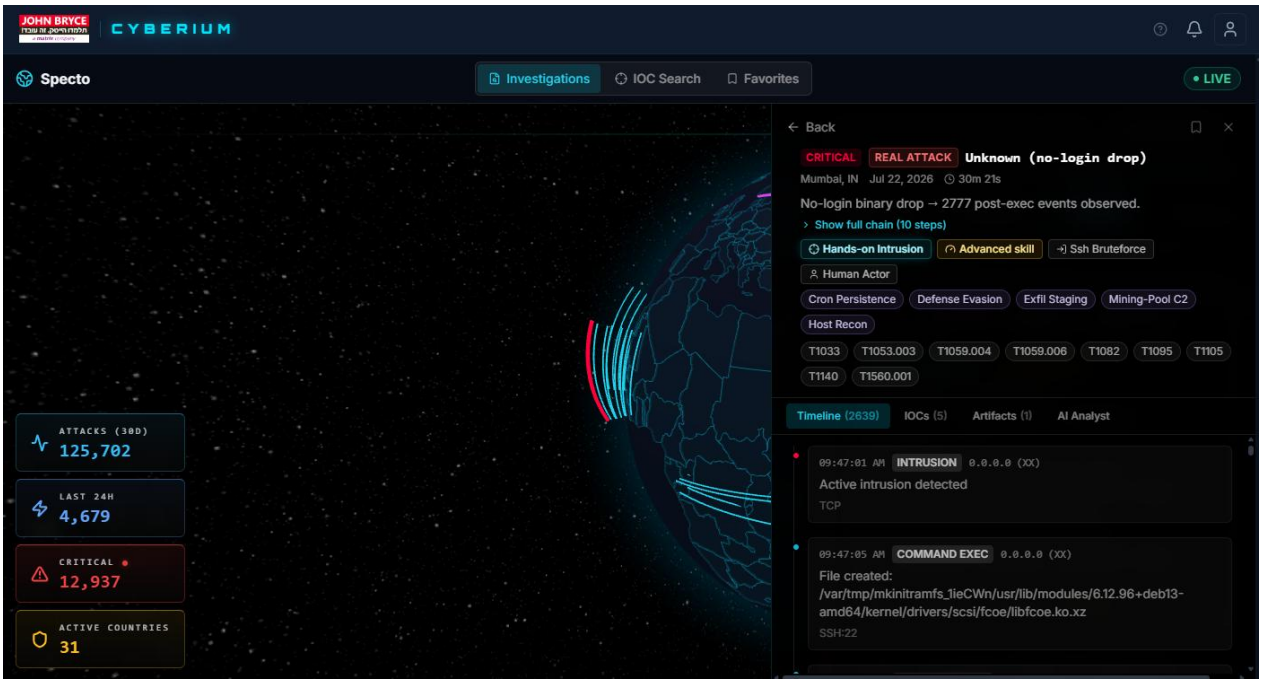
This is an asset that cannot be copied overnight, because it is not content — it is **infrastructure**. Cyberium operates its own sensor network on the public internet, spread across four continents — machines whose entire purpose is to be attacked. They have recorded **over 331,000 genuine attacks from more than 40 countries**, and they recorded more this morning. Zero simulated.

Students meet this reality in the deepest way possible: **hundreds of genuine captured intrusion sessions are open for investigation.** Not reconstructions. The actual sessions:

- >> **The command chain —** what the attacker ran, in order, exactly as typed.
- >> **A full timeline —** every event timestamped, with source IPs, countries, protocols and ports.
- >> **Thousands of extracted IOCs —** addresses, hashes, domains, filenames — searchable across every session.
- >> **Real artifacts —** files pulled from these sessions, downloadable as password-protected archives for safe analysis.
- >> **MITRE ATT&CK mapping —** of the techniques actually used — the same framework the student will use on the job.

Each session opens with an AI-written incident summary and forensic questions generated from **that specific session**. The student can then question the evidence in plain language — asking an AI analyst grounded in that session's real data, not a generic description of the technique.

Why it completes the picture: labs teach the method, missions teach the pressure — Specto supplies the **enemy**. A student who has walked real attacker command chains does not meet their first genuine adversary on your payroll. They have already met dozens.



08 / THE SLEEPER

Interview Prep: the job is won out loud

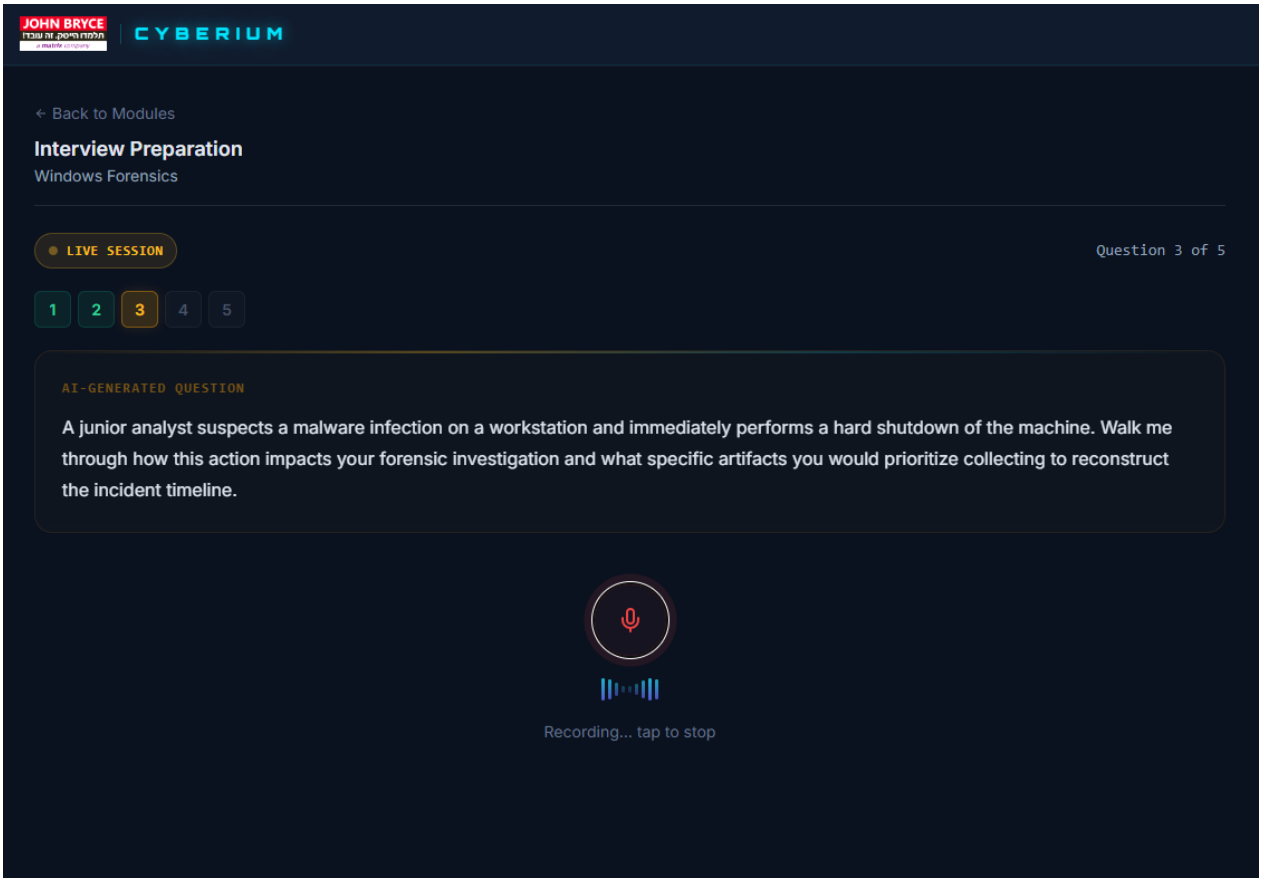
> ***Cyberium trains students to explain their skills out loud — the way interviews are actually won.***

This is the feature students remember. At 70% program completion, a **GO LIVE** panel unlocks. The student spends some of their earned coins. The screen runs a short cinematic boot sequence. And then the platform asks them a technical interview question — **out loud, expecting an answer out loud.**

They speak. A waveform pulses as the microphone listens. Their answer is transcribed, evaluated, and **followed up the way a real interviewer follows up** — pressing on the vague answer, asking the second question the first one invites. At the end, an animated debrief shows every question, the transcript of what they actually said, and specific feedback on each answer.

Why this is a critical point and not a gimmick: a student can drill commands for months and still freeze the first time a person asks them to explain a concept under pressure. Speaking clearly about technical work is a separate skill from doing it — and it is the skill the hiring decision actually turns on. Cyberium trains it deliberately, repeatably, and privately, **before it can cost a job offer.**

For a career changer, this is often the single most valuable hour on the platform. For an organization, it is the difference between a team that is capable and a team that can also **explain and represent that capability** — to auditors, to management, to clients.



09 / THE PROOF OF WORK

The Project: because employers ask what you have built

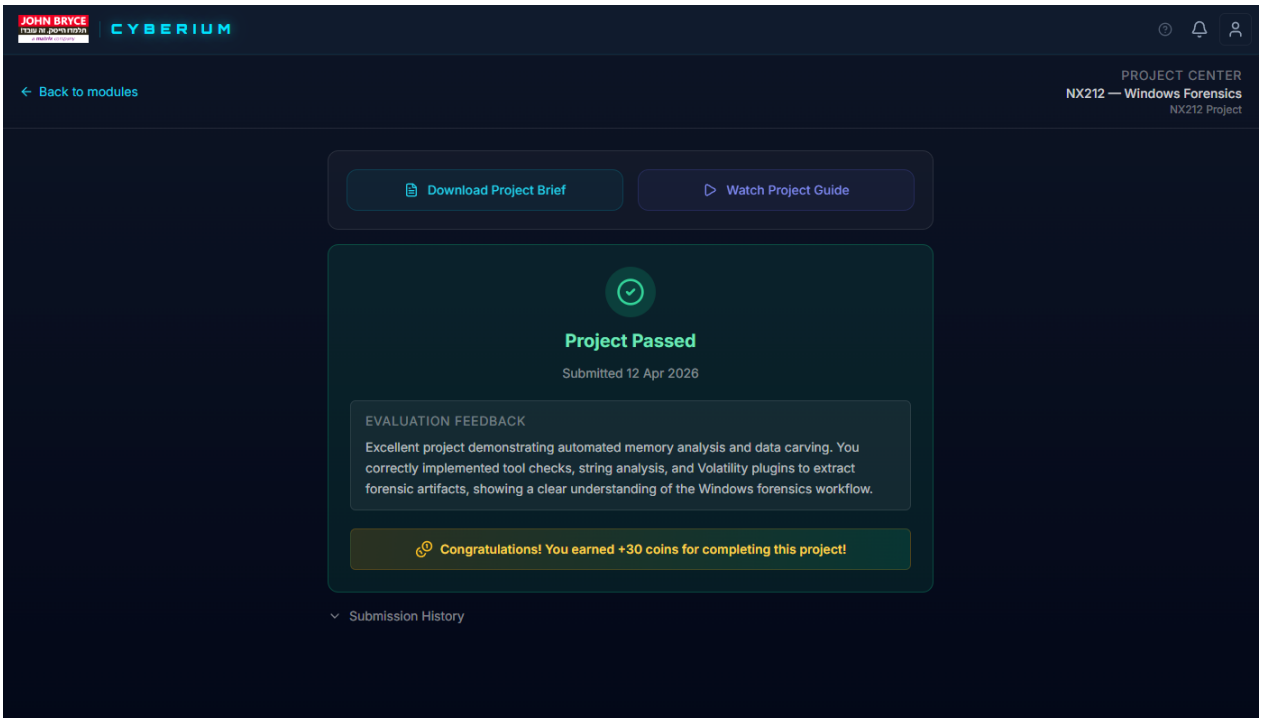
> ***Every program ends with real work the student built and can show an employer.***

Every major program ends in a project — and this is where students stop answering and start **engineering**. They plan, build, test, document and defend a real deliverable: a working script, a real analysis, a finished piece of work. It is the moment the skills stop being separate exercises and become **a real capability the student owns.**

Submissions are held to a professional standard — original work, recognized across all academies worldwide. From the very first project, students work to the same bar the industry itself sets.

The submission is read by AI, evaluated against the program's rubric, and returned with a score, a pass or fail, and **written feedback explaining exactly what was missing.** A pass awards coins and a badge on the student's public profile. A student who falls short gets clear direction — and comes back with stronger work. More than **1,800 projects** have been submitted this way in production.

Why it is a must in the full picture: labs prove the student can execute steps; the project proves they can **think — turn a goal into a working result with no rails**. That is the shape of every real assignment they will ever receive. It is also the portfolio piece that lives on after graduation: something concrete a student can show, attached to a verifiable profile.



A world, not a course: why students come back tomorrow

> ***Cyberium is built so students come back every day — because they want to.***

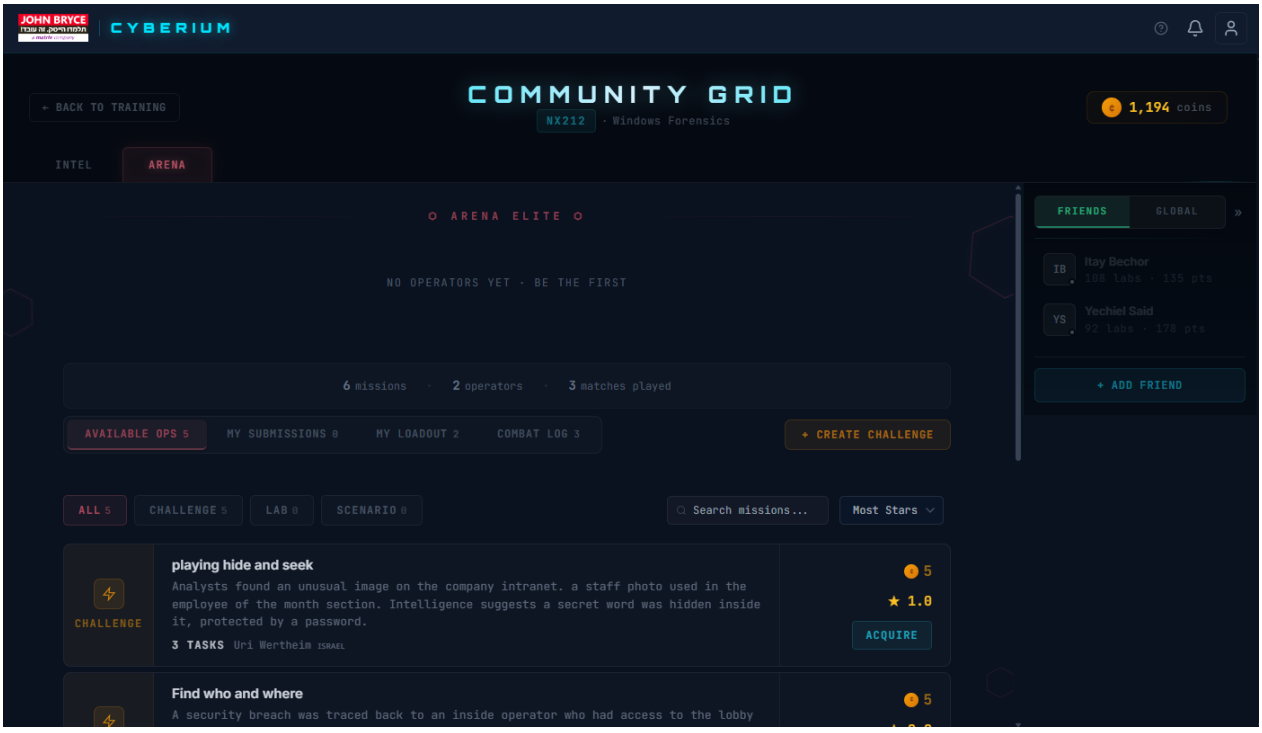
At 10% completion the **Community Grid** opens, and the platform stops being a lonely climb:

>> **INTEL — where students publish —** research write-ups and articles, reviewed by a trainer before going live. Readers award hearts, and hearts pay the author in coins. The best contributors stand on a podium in the Hall of Respect, visible to the whole academy. Teaching others is the deepest form of learning — here it is also rewarded.

>> **ARENA — where they compete —** challenges, labs and scenarios built by trainers and by other students, collected into a personal loadout and played four ways: Solo, VS a friend, VS global — matched against a stranger anywhere on the platform, across academies and countries — or Co-op. Top Operators boards, rank titles, full match history.

>> **The economy —** there is only one way to earn coins on Cyberium: do more. Complete labs, pass tests, win missions, help the community, solve forensic questions. Coins are then spent on books, avatar gear, retakes and Arena entries. The design is deliberate: the currency of the platform is expertise itself — the more a student does, the richer they get, and the better they become.

>> **Identity and rank —** a customizable avatar built on base identities like Ghost, Phantom and Cipher; ranks from Rookie to Legend earned by completed work; a separate Bronze-to-Diamond tier for hours invested, so consistency is recognized alongside talent.



Why this layer is not decoration: it is **the multiplier on everything else on the platform**. The labs, the missions, the investigations — all of it only compounds if the student shows up again tomorrow. Competition, community, identity and an economy make tomorrow's login the student's own idea.

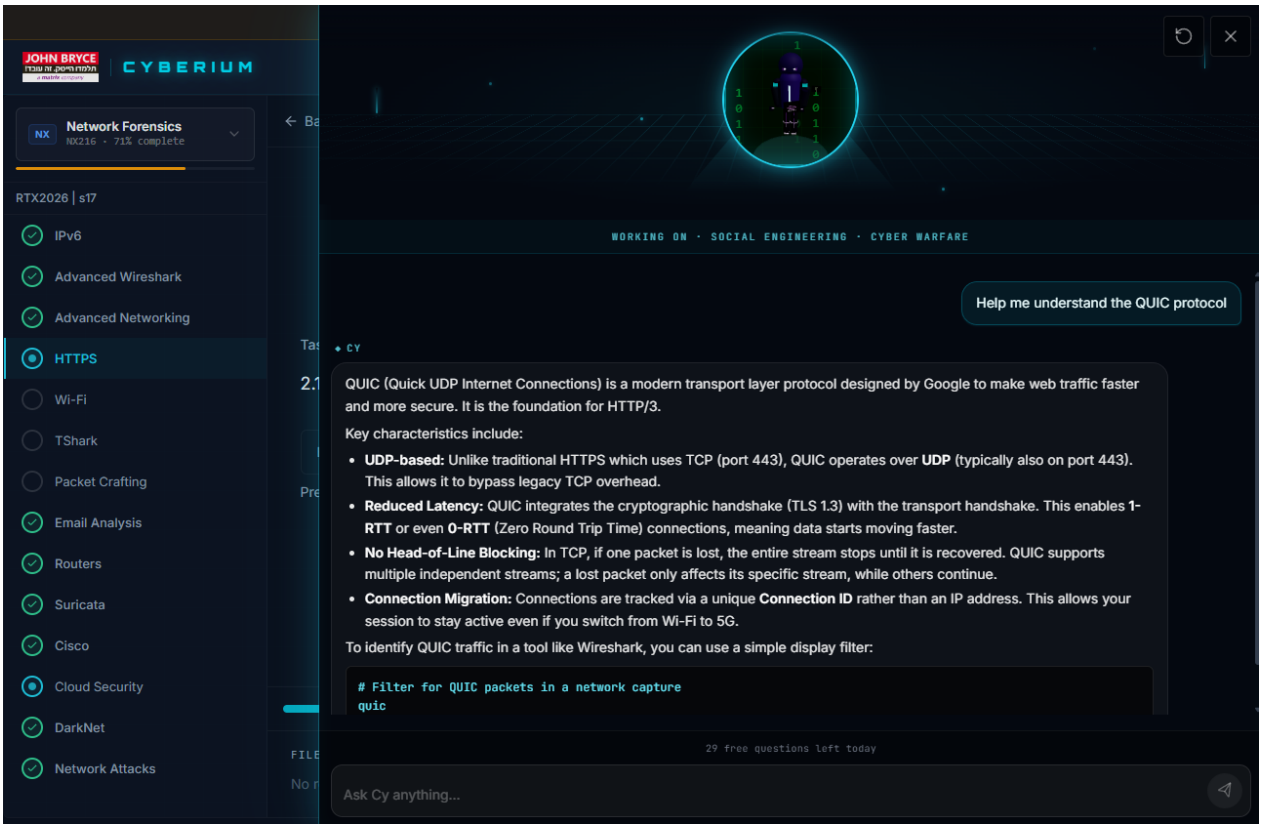
Cy: because stuck at 2 a.m. is where students quit

> ***Help is always thirty seconds away — so the bar can stay high and every student can reach it.***

A pulsing ring sits on every training screen. Open it and **Cy** appears — a holographic avatar that shifts state as it thinks and answers, greets the student by name, and shows exactly which module and task it is looking at.

Cy is grounded in the student's **own course material**, not the open internet — and it is deliberately built to help someone get unstuck rather than hand over answers. It will re-explain the concept, point at the right part of the material, and ask the guiding question. It will not do the work. The student stays the one who solves it — which is the entire point.

Why it belongs in the full picture: the platform demands real performance everywhere — real systems, real timers, real consequences. That standard is only fair if help is always within reach. Cy is the safety line that lets the bar stay high: **no student is ever more than thirty seconds from a patient tutor that knows exactly where they are**, at any hour, in their own language. A daily set of questions is free; beyond that, students spend their coins — just enough friction to think first.



Certification: recognized internationally, checkable by anyone

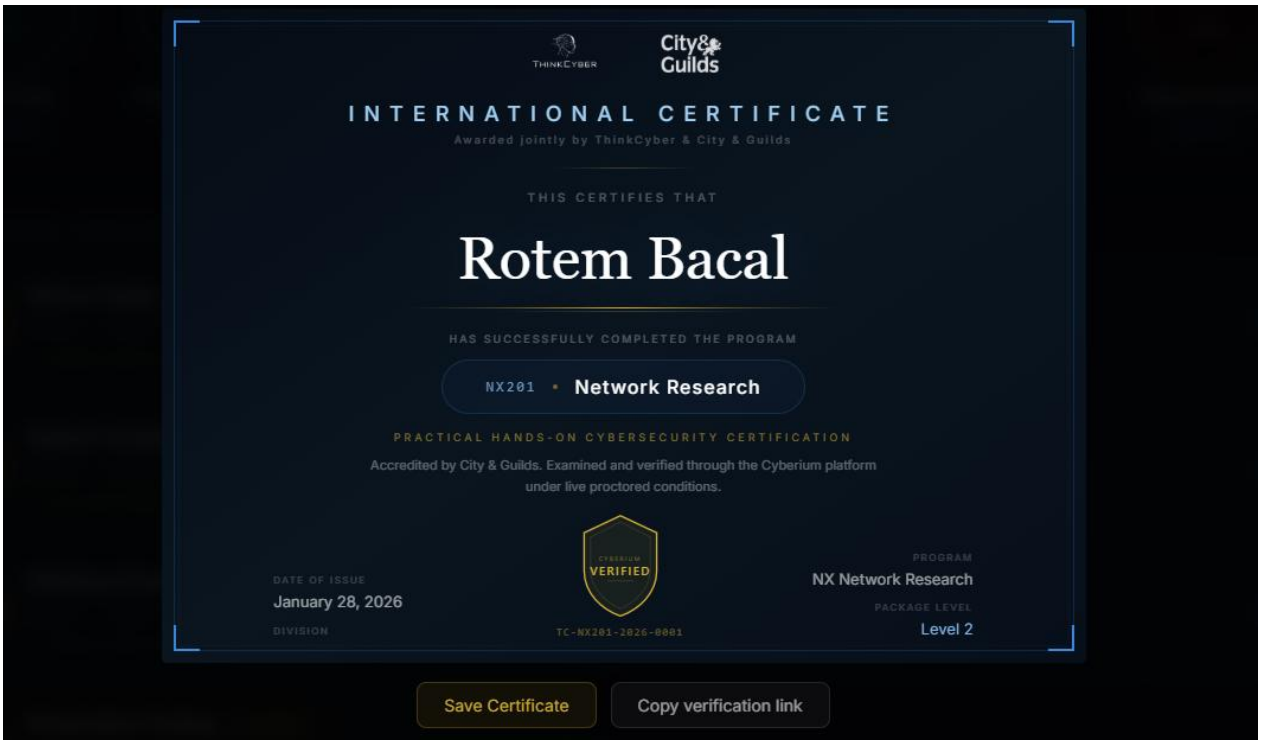
> ***Cyberium's certification is internationally recognized — and anyone can verify it in one click.***

This is not a quiz added to the end of a course. The certification exam **is a live scenario on real infrastructure**, prepared and warmed before the candidate arrives:

- **Unique per candidate —** every exam is generated for the candidate taking it — no two are ever alike.
- **A human proctor on video —** present throughout the exam — the same standard as any respected international examination. The credential is backed by a person, not a checkbox.
- **A high pass bar —** scored on the same performance system as every mission — speed, accuracy, mistakes. A failed attempt can be retaken: high standard, fair second chance.

What the graduate holds: an international certificate **awarded jointly by ThinkCyber and City & Guilds** — an assessment authority operating since 1878. It is accredited by City & Guilds, examined and verified through the Cyberium platform under live proctored conditions, and carries a unique code. That code resolves at a **public verification page requiring no account and no login**: the holder's name, program, level, issuing academy and date, one click away from any hiring manager on earth.

Why this is a critical point for every buyer: **the credential travels.** It is not a local course certificate — it carries an internationally recognized assessment name, which means it opens doors **in other countries, not only at home.** For a company, it is the audit-ready answer to 'how do you know your people can do this?'. For a career changer, it is a passport: proof of ability that an employer in London, Manila or Dubai can verify in seconds, without trusting anyone's word.



The CV: built by the platform that knows the student best

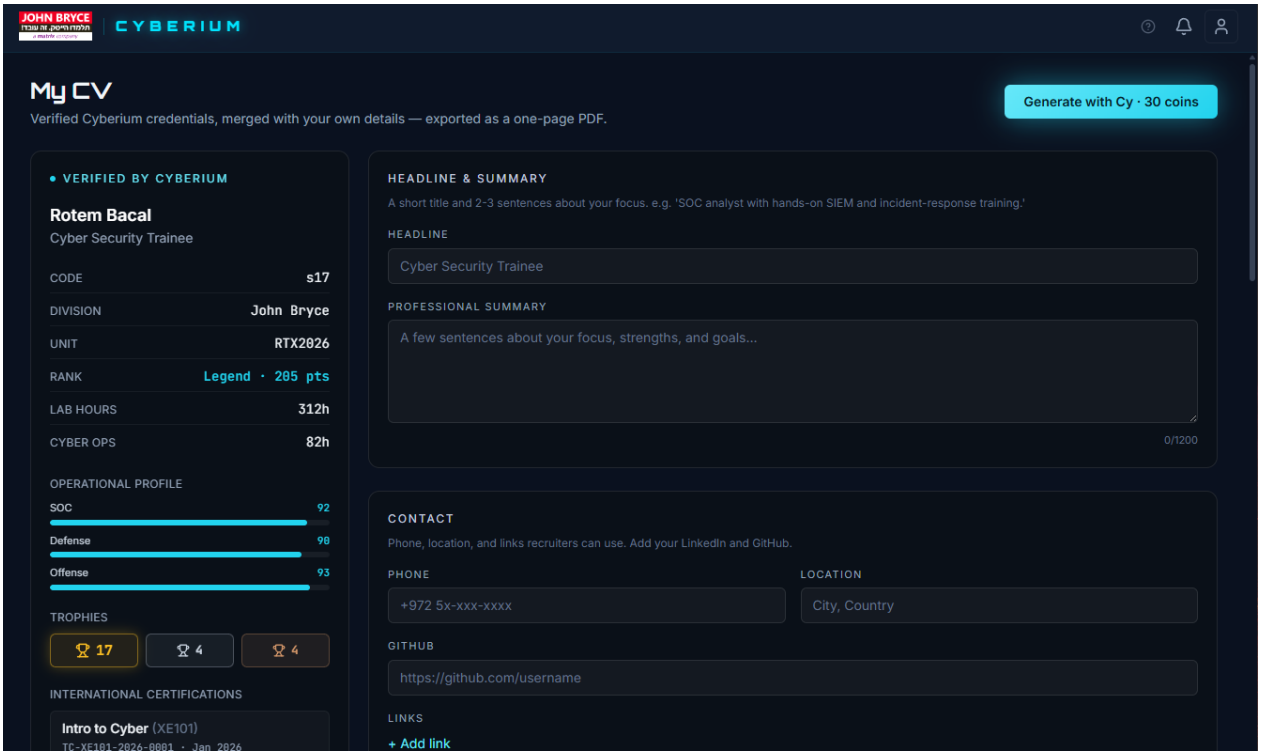
> ***Cyberium watched every hour of the work. That is why it builds the student's CV.***

Think about what Cyberium holds by the end of a program: every lab the student solved and how accurately, every mission and its score, every hour invested, every project built and graded, every certification earned and verified, every contribution to the community. **No employer, no school, and no student themselves has a picture this complete.**

Cyberium turns that picture into the student's professional profile — **a living CV built from verified performance, not from self-written claims.** Program badges that anyone can verify with one click. A capability radar showing the real shape of their skill across SOC, defensive and offensive work. Trophies, ranks, projects, hours. All of it exportable, shareable and LinkedIn-ready.

- >> **It is verified —** every line is backed by recorded performance — not 'familiar with Linux', but a checkable record of what was actually done.
- >> **It is always current —** the profile updates as the student works. The day they finish, the CV is finished with them — no writing, no formatting, no exaggerating.
- >> **It speaks the employer's language —** certifications, verified badges, real project work and a public verification page — exactly the evidence a hiring manager wants and almost never gets.

Why it completes the picture: training that ends with a PDF diploma leaves the student to sell themselves alone. Cyberium walks them **all the way to the hiring desk** — with a profile that does the talking, built by the only party that watched every hour of the work.



A trainer is watching: no one slips away

> ***A human trainer sees every student's progress — and steps in the moment someone needs help.***

Everything on the platform runs under the eyes of a trainer with a genuine command deck:

>> **Live class visibility —** per-student progress refreshing live, expandable to a per-task grid showing exactly who is stuck on which question — while it is happening, not in next month's report.

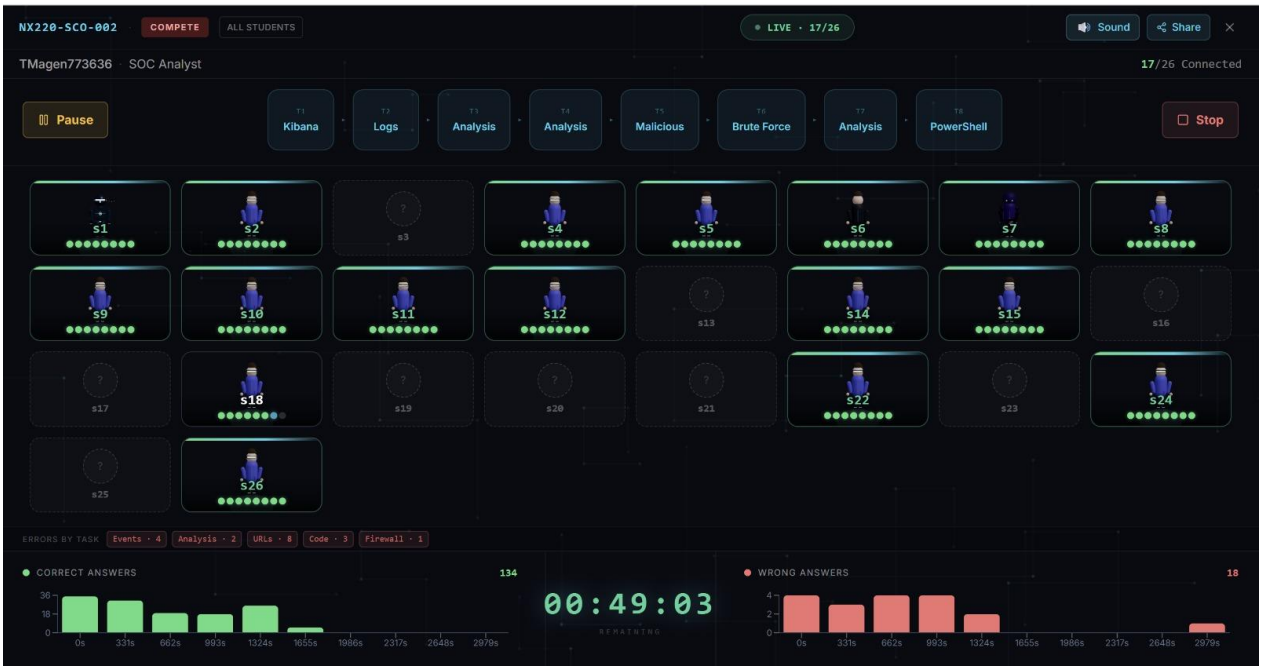
>> **The alert engine —** automatically flags students falling behind the class pace, going inactive, or failing repeatedly. A struggling student is found in week two and helped — not discovered in the final statistics.

>> **The Operator Screen —** a full-screen command console for live missions: watch students connect, launch on a 3-2-1 countdown, monitor a live grid of progress and errors, pause, resume, and close on a podium.

>> **Controlled release —** per-module toggles decide what the room can access and when. Nobody works ahead unless the trainer allows it; the class moves as a class.

>> **Classroom dignity by default —** on every screen a trainer might project, students appear as codes, not names. Showing identities is an explicit action — no student is ever publicly ranked in front of the room by accident.

Why it completes the picture: automation makes the platform scale; **the human layer makes it accountable.** An organization is not just getting content — it is getting the assurance that someone is watching their people move through it, with the tools to step in the moment anyone starts to slip.



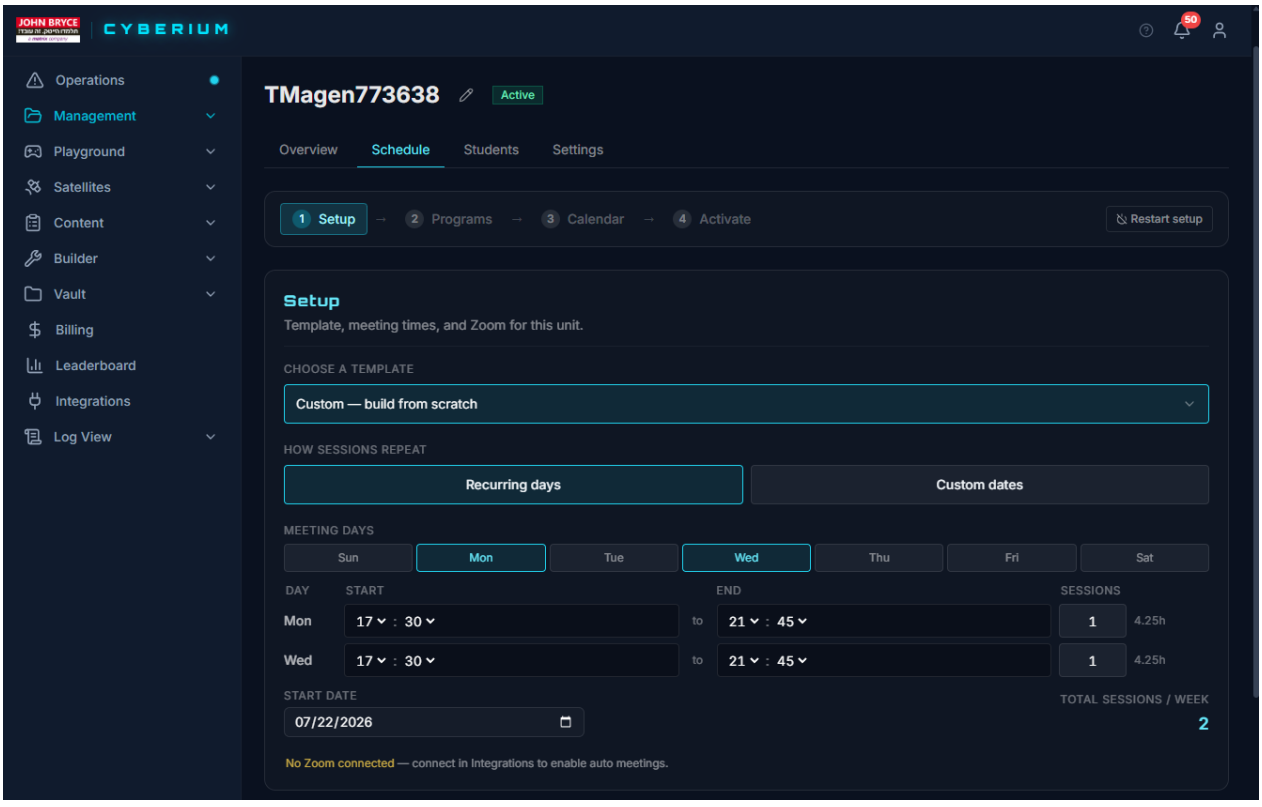
Cyberium runs the classroom too

> ***Cyberium runs the classroom too — schedule, sessions, recordings, and an AI that knows what was taught.***

Cyberium is not only the training — it can run the entire class around it. Academies that enable the academy layer get:

- **Automatic scheduling —** the calendar generates itself from the academy's meeting days — and adjusts itself as the class moves.
- **Zoom built in —** auto-generated meeting links and a join button for every session, for students and trainers.
- **Recordings and transcripts —** sessions are captured automatically, stored for playback, and transcribed — students can rewatch any class.
- **Attendance from real activity —** presence is measured by genuine participation, recorded automatically.
- **Session recaps and assignments —** an AI-written recap after every session, plus trainer assignments students check off.
- **An AI that knows the class —** the assistant is grounded in the labs and in what was actually said in class — so a student can ask 'what did we cover last session?' and get a real answer.

Every piece is **optional and enabled per class**. Academies that want only the training keep only the training; academies that want the full operation get **one platform for all of it** — available today, activated per academy.



What makes Cyberium different

> ***Many products do one piece well. Cyberium is the only platform built as the complete journey.***

>> **Challenge platforms —** offer excellent puzzles — but no curriculum, no trainer, no class, no credential an employer can verify. Cyberium wraps hands-on work inside a full career path with a human watching.

>> **Video courses —** deliver knowledge — but knowledge alone is not capability. On Cyberium, watching is never the work; doing is.

>> **Bootcamps —** deliver intensity — for a few weeks, at a high price, then end. Cyberium sustains months of daily training, with a community, an economy and a record that lives on after graduation.

Only Cyberium connects all of it — real labs, live missions, real attack data from its own sensors, spoken interview rehearsal, AI-graded projects, proctored international certification, and a verified CV — **in one platform, under the academy's own brand.**

Questions academies are asked

The answers partners give in every sales conversation.

>> **Do students need an IT background? —** No. The XE Foundations family assumes none — it takes a motivated beginner to candidate level.

>> **Does it run under our brand? —** Yes. The academy's logo and name appear across the platform, reports and student experience.

>> **Does it work for classroom and remote? —** Both. Trainers run live classes in the room or over Zoom; students train from anywhere with a browser.

>> **In what language does the AI answer? —** In the student's own language — a student who asks in Hebrew is answered in Hebrew.

>> **How do we know students are progressing? —** Trainers see live per-student progress; administrators get reports, alerts and a full division leaderboard.

>> **Can an employer really verify the certificate? —** Yes — a public verification page, no account, no login, one click.

>> **Can we see it live? —** Yes. Every number in this document is live in production and can be demonstrated on request.

What comes out the other end

> ***Do the work. Perform under pressure. Prove it to the world. That is the full picture.***

Look back across this journey and notice what carried it: at every single step, the student faced something **real** — a live system, a genuine intrusion, a running clock, a listening microphone, a human proctor — and the platform recorded what they did with it.

The result is a graduate who has solved hundreds of real tasks, run dozens of missions against a red countdown, investigated genuine intrusions captured hours earlier, engineered and defended real project work, rehearsed the interview out loud, passed a live human-proctored exam recognized internationally — and walks out with a verified CV built from all of it.

Not someone who studied cybersecurity. **Someone who has already done it — everywhere except your payroll.**

Real machines. Real attacks. Real proof.

The platform, in verified numbers

20+ PROGRAMS - 7 LEVELS	**190+** MODULES	**170+** HANDS-ON LABS	**1,900+** SLIDES
65+ LIVE SCENARIOS	**3,700+** MISSIONS RUN	**331,000+** REAL ATTACKS	**40+** SOURCE COUNTRIES
4 CONTINENTS - SENSORS	**400+** REAL INVESTIGATIONS	**1,800+** PROJECT SUBMISSIONS	**1,500+** REAL ARTIFACTS

Every number above is live in production and can be demonstrated on request.

ASK YOUR ACADEMY FOR A LIVE DEMONSTRATION