POWERED BY CYBER SKYLINE

The National Cyber League
A Community Where Cybersecurity Is a Passion

Sean Jaurequi

NCL Fall 2025 Team Game Scouting Report

Dear Sean Jaurequi (Team "SANS.edu 629"),

Thank you for participating in the National Cyber League (NCL) Fall 2025 Season! Our goal is to prepare the next generation of cybersecurity professionals, and your participation is helping achieve that goal.

The NCL was founded in May 2011 to provide an ongoing virtual training ground for collegiate students to develop, practice, and validate their cybersecurity skills in preparation for further learning, industry certifications, and career readiness. The NCL scenario-based challenges were designed around performance-based exam objectives of CompTIA certifications and are aligned to the National Initiative for Cybersecurity Education (NICE) Cybersecurity Workforce Framework published by the National Institute of Standards and Technology (NIST).

As you look to a future career in cybersecurity, we hope you find this report to be valuable in both validating skills and identifying areas for improvement across the nine NCL skills categories. You can use this NCL Scouting Report to:

- Validate your skills to employers in any job application or professional portfolio;
- Show case your achievements and strengths by including the Score Card view of your performance as part of your résumé or simply sharing the validation link so that others may view the detailed version of this report.

The NCL Fall 2025 Season had 8,520 students/players and 538 faculty/coaches from more than 490 two- and four-year schools & 200 high schools across all 50 U.S. states registered to play. The Individual Game Capture the Flag (CTF) event took place from October 24 through October 26. The Team Game CTF event took place from November 7 through November 9. The games were conducted in real-time for students across the country.

NCL is powered by Cyber Skyline's cloud-based skills evaluation platform. Cyber Skyline hosted the scenario-driven cybersecurity challenges for players to compete and track their progress in real-time.

To validate this report, please access: cyberskyline.com/report/XPE5LDU809EP

HANDS-ON SKILLS ASSESSMENT
CYBER SKYLINE
VERIFIED SCORE REPORT

Congratulations for your participation in the NCL Fall 2025 Team Game! We hope you will continue to develop your knowledge and skills and make meaningful contributions as part of the Information Security workforce!

Dr. David Zeichick
NCL Commissioner

POWERED BY CYBER SKYLINE

NATIONAL CYBER LEAGUE SCORE CARD

NCL FALL 2025 TEAM GAME

NATIONAL RANK
131ST PLACE
OUT OF 4214

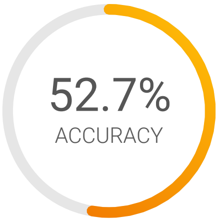
PERCENTILE
97TH

YOUR TOP CATEGORIES

FORENSICS
99TH PERCENTILE

NETWORK TRAFFIC ANALYSIS
99TH PERCENTILE

PASSWORD CRACKING
98TH PERCENTILE



Average: 56.1%

cyberskyline.com/report
ID: XPE5LDU809EP

Learn more at nationalcyberleague.org

NCL Fall 2025 Team Game

The NCL Team Game is designed for student players nationwide to compete in realtime in the categories listed below. The Team Game promotes camaraderie and evaluates the collective technical cybersecurity skills of the team members.

131 ST PLACE OUT OF 4214
NATIONAL RANK

97th National Percentile

2410 POINTS OUT OF 3000
PERFORMANCE SCORE

Average: 1098.3 Points

52.7% ACCURACY

Average: 56.1%

78.2% COMPLETION

Average: 37.8%

Cryptography

280 POINTS OUT OF 340 | 45.7% ACCURACY | COMPLETION: 88.9%

Identify techniques used to encrypt or obfuscate messages and leverage tools to extract the plaintext.

Enumeration & Exploitation

225 POINTS OUT OF 390 | 76.5% ACCURACY | COMPLETION: 39.4%

Identify actionable exploits and vulnerabilities and use them to bypass the security measures in code and compiled binaries.

Forensics

255 POINTS OUT OF 300 | 73.3% ACCURACY | COMPLETION: 84.6%

Utilize the proper tools and techniques to analyze, process, recover, and/or investigate digital evidence in a computer-related incident.

Log Analysis

300 POINTS OUT OF 300 | 37.7% ACCURACY | COMPLETION: 100.0%

Utilize the proper tools and techniques to establish a baseline for normal operation and identify malicious activities using log files from various services.

Network Traffic Analysis

255 POINTS OUT OF 300 | 50.0% ACCURACY | COMPLETION: 85.7%

Identify malicious and benign network traffic to demonstrate an understanding of potential security breaches.

Open Source Intelligence

270 POINTS OUT OF 370 | 36.8% ACCURACY | COMPLETION: 92.6%

Utilize publicly available information such as search engines, public repositories, social media, and more to gain in-depth knowledge on a topic or target.

Password Cracking

245 POINTS OUT OF 325 | 80.0% ACCURACY | COMPLETION: 76.9%

Identify types of password hashes and apply various techniques to efficiently determine plaintext passwords.

Scanning & Reconnaissance

270 POINTS OUT OF 300 | 78.9% ACCURACY | COMPLETION: 93.8%

Identify and use the proper tools to gain intelligence about a target including its services and potential vulnerabilities.

Web Application Exploitation

210 POINTS OUT OF 275 | 80.0% ACCURACY | COMPLETION: 61.5%

Identify actionable exploits and vulnerabilities and use them to bypass the security measures in online services.

Note: Survey module (100 points) was excluded from this report.

Cryptography Module

Identify techniques used to encrypt or obfuscate messages and leverage tools to extract the plaintext.

142 ND PLACE OUT OF 4214
NATIONAL RANK

97th National Percentile

280 POINTS OUT OF 340
PERFORMANCE SCORE

Average: 119.8 Points

45.7%
ACCURACY

Average: 40.9%

88.9%
COMPLETION

Average: 39.5%

Steganography (Easy)

30 POINTS OUT OF 30
37.5% ACCURACY
COMPLETION: 100.0%

Decode Whitespace, Trevanion, and Baconian Ciphers.

Layer Cake (Easy)

60 POINTS OUT OF 60
50.0% ACCURACY
COMPLETION: 100.0%

Decode a plaintext string obfuscated by multiple layers of character encoding.

Cryptic Cultures (Easy)

45 POINTS OUT OF 45
50.0% ACCURACY
COMPLETION: 100.0%

Decode ciphers from popular culture.

Quagmire (Medium)

30 POINTS OUT OF 60
12.5% ACCURACY
COMPLETION: 50.0%

Reverse engineer the keys of a Quagmire II cipher through a known-plaintext attack.

Crypto Twister (Medium)

75 POINTS OUT OF 75
100.0% ACCURACY
COMPLETION: 100.0%

Exploit Mersenne Twister PRNG on a Rust TCP server.

Chaos Theory (Hard)

40 POINTS OUT OF 70
75.0% ACCURACY
COMPLETION: 75.0%

Use entropy analysis and cryptographic fuzzing to decrypt a binary file.

Enumeration & Exploitation Module

Identify actionable exploits and vulnerabilities and use them to bypass the security measures in code and compiled binaries.

201 ST PLACE OUT OF 4214
NATIONAL RANK

225 POINTS OUT OF 390
PERFORMANCE SCORE

76.5%
ACCURACY

39.4%
COMPLETION

96th National Percentile

Average: 100.3 Points

Average: 32.1%

Average: 18.7%

Cooking Lunch (Easy)

100 POINTS OUT OF 100

75.0% ACCURACY

COMPLETION: 100.0%

Reverse engineer the required input of an obfuscated program.

Poliwhirl (Medium)

50 POINTS OUT OF 100

100.0% ACCURACY

COMPLETION: 75.0%

Reverse engineer an optimized RISC-V binary.

Cooking Dinner (Hard)

50 POINTS OUT OF 50

50.0% ACCURACY

COMPLETION: 100.0%

Reverse engineer the functionality of an obfuscated program from the given output.

MAINFRAME - Access the Mainframe

25 POINTS OUT OF 140

83.3% ACCURACY

COMPLETION: 20.8%

Perform program execution, backdooring, and buffer overflow attacks on z/OS mainframes.

Forensics Module

Utilize the proper tools and techniques to analyze, process, recover, and/or investigate digital evidence in a computer-related incident.

66 TH PLACE OUT OF 4214
NATIONAL RANK

99th National Percentile

255 POINTS OUT OF 300
PERFORMANCE SCORE

Average: 77.7 Points

73.3%
ACCURACY

Average: 33.6%

84.6%
COMPLETION

Average: 24.8%

Colorwork (Easy)

100 POINTS OUT OF 100 | 100.0% ACCURACY | COMPLETION: 100.0%

Use manual and/or automated tools to find information hidden within an image.

Technical Difficulties (Medium)

100 POINTS OUT OF 100 | 100.0% ACCURACY | COMPLETION: 100.0%

Manually apply an incremental patch to restore data from a corrupted backup archive.

Split Keys (Hard)

30 POINTS OUT OF 75 | 50.0% ACCURACY | COMPLETION: 60.0%

Recover artifacts from a process dump and decrypt the hidden message.

MAINFRAME - Hack the Gibson

25 POINTS OUT OF 25 | 80.0% ACCURACY | COMPLETION: 100.0%

Decode XMI files and crack RACF hashes to get mainframe logins.

Log Analysis Module

Utilize the proper tools and techniques to establish a baseline for normal operation and identify malicious activities using log files from various services.

164 TH PLACE OUT OF 4214
NATIONAL RANK

97th National Percentile

300 POINTS OUT OF 300
PERFORMANCE SCORE

Average: 120.8 Points

37.7%
ACCURACY

Average: 40.2%

100.0%
COMPLETION

Average: 43.4%

LO(L)G (Easy)

100 POINTS OUT OF 100 | 30.8% ACCURACY | COMPLETION: 100.0%

Analyze the attack chain of ClickFix family malware in a Sysmon xml file.

JSON Query (Medium)

100 POINTS OUT OF 100 | 29.4% ACCURACY | COMPLETION: 100.0%

Parse and analyze Suricata eve.json logs to identify C2 activity.

Chronicles of XP (Hard)

100 POINTS OUT OF 100 | 70.0% ACCURACY | COMPLETION: 100.0%

Parse a custom binary file based on the provided specs to decode the data.

Network Traffic Analysis Module

Identify malicious and benign network traffic to demonstrate an understanding of potential security breaches.

68 TH PLACE OUT OF 4214
NATIONAL RANK

99th National Percentile

255 POINTS OUT OF 300
PERFORMANCE SCORE

Average: 105.8 Points

50.0%
ACCURACY

Average: 36.7%

85.7%
COMPLETION

Average: 36.1%

Snakes and Packets (Easy)

100 POINTS OUT OF 100

100.0% ACCURACY

COMPLETION: 100.0%

Analyze a packet capture to detect data exfiltration through SMTP.

An Offer You Can't Refuse (Medium)

100 POINTS OUT OF 100

80.0% ACCURACY

COMPLETION: 100.0%

Identify specific characteristics of a rogue DHCP server from a packet capture.

Patient Zero (Hard)

55 POINTS OUT OF 100

20.0% ACCURACY

COMPLETION: 57.1%

Examine and parse a custom protocol used to transmit patient information, similar to HL7.

Open Source Intelligence Module

Utilize publicly available information such as search engines, public repositories, social media, and more to gain in-depth knowledge on a topic or target.

389 TH PLACE OUT OF 4214
NATIONAL RANK

270 POINTS OUT OF 370
PERFORMANCE SCORE

36.8%
ACCURACY

92.6%
COMPLETION

91 st National Percentile

Average: 197.1 Points

Average: 55.2%

Average: 64.9%

Rules of Conduct (Easy)

30 POINTS OUT OF 30 | 85.7% ACCURACY | COMPLETION: 100.0%

Introductory challenge on acceptable conduct during NCL.

Cruise Ship (Easy)

50 POINTS OUT OF 50 | 25.0% ACCURACY | COMPLETION: 100.0%

Identify and locate a cruise ship by cross-referencing its itinerary with an EXIF timestamp.

Finding Room 47 (Easy)

50 POINTS OUT OF 50 | 100.0% ACCURACY | COMPLETION: 100.0%

Use OSINT to research clues from an old puzzle book.

Tooling (Medium)

60 POINTS OUT OF 60 | 33.3% ACCURACY | COMPLETION: 100.0%

Perform OSINT on an image using EXIF data and online research to find key information.

Still Controversial? (Medium)

60 POINTS OUT OF 80 | 20.0% ACCURACY | COMPLETION: 83.3%

Investigate publicly available information on a company's data breach.

Guiding Light (Hard)

20 POINTS OUT OF 100 | 50.0% ACCURACY | COMPLETION: 50.0%

Triangulate a location using EXIF timestamp data and shadow lengths.

Password Cracking Module

Identify types of password hashes and apply various techniques to efficiently determine plaintext passwords.

110 TH PLACE OUT OF 4214
NATIONAL RANK

98th National Percentile

245 POINTS OUT OF 325
PERFORMANCE SCORE

Average: 101.8 Points

80.0%
ACCURACY

Average: 67.2%

76.9%
COMPLETION

Average: 36.9%

Hash it Out (Easy)

40 POINTS OUT OF 40

100.0% ACCURACY

COMPLETION: 100.0%

Generate hashes for passwords with the MD5, NTLM, SHA1 and SHA256 hashing algorithms.

Zeitgeist (Easy)

50 POINTS OUT OF 50

100.0% ACCURACY

COMPLETION: 100.0%

Crack MD5 hashed passwords with a wordlist.

Peninsula-Password (Medium)

50 POINTS OUT OF 50

42.9% ACCURACY

COMPLETION: 100.0%

Crack NTLM Windows Passwords using the EFF's wordlists.

DBs (Medium)

70 POINTS OUT OF 70

83.3% ACCURACY

COMPLETION: 100.0%

Crack an NTLMv2 hash and Blake2b password to decrypt an MSSQL database.

Règles (Medium)

10 POINTS OUT OF 50

100.0% ACCURACY

COMPLETION: 25.0%

Crack modified passwords from a leaked database using Hashcat's rule attack mode.

Magic (Hard)

25 POINTS OUT OF 65

100.0% ACCURACY

COMPLETION: 40.0%

Crack passwords by creating a wordlist, augmenting permutation rules using known password complexity requirements.

Scanning & Reconnaissance Module

Identify and use the proper tools to gain intelligence about a target including its services and potential vulnerabilities.

243 RD PLACE OUT OF 4214
NATIONAL RANK

95th National Percentile

270 POINTS OUT OF 300
PERFORMANCE SCORE

Average: 105.6 Points

78.9%
ACCURACY

Average: 41.8%

93.8%
COMPLETION

Average: 37.2%

Open (Easy)	100 POINTS OUT OF 100	71.4% ACCURACY	COMPLETION: 100.0%

Scan a server to determine information about running services.

Git A Gander (Medium)	100 POINTS OUT OF 100	83.3% ACCURACY	COMPLETION: 100.0%

Manually scan a code repository for secrets in its commit history.

Walk (Hard)	70 POINTS OUT OF 100	83.3% ACCURACY	COMPLETION: 83.3%

Scan a server to discover an SNMP service and use nmap scripts and default credentials to reveal sensitive information.

Web Application Exploitation Module

Identify actionable exploits and vulnerabilities and use them to bypass the security measures in online services.

328 TH PLACE OUT OF 4214
NATIONAL RANK

93rd National Percentile

210 POINTS OUT OF 275
PERFORMANCE SCORE

Average: 104.8 Points

80.0%
ACCURACY

Average: 52.7%

61.5%
COMPLETION

Average: 34.5%

Something's Fishy (Easy)	100 POINTS OUT OF 100	100.0% ACCURACY	COMPLETION: 100.0%

Find and exploit a client-side validated function to bypass checks and set an arbitrary score.

Picto (Medium)	100 POINTS OUT OF 100	100.0% ACCURACY	COMPLETION: 100.0%

Exploit open-box XSS on unsanitized rendered output in a browser.

The Cucumber's Secret (Hard)	10 POINTS OUT OF 75	33.3% ACCURACY	COMPLETION: 16.7%

Abuse unsafe Python pickle data streams in a web application.