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NCL Spring 2022 Team Game Scouting Report

Dear Nicolas Michel (Team "Super Mega Ultra Weenie Hut Jr"),

Thank you for participating in the National Cyber League (NCL) 2022 Spring 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 2022 Spring Season had 6,610 students/players and 468 faculty/coaches from more than 500 two- and four-year schools & 80 high schools across all 50 U.S. states registered to play. The Individual Game Capture the Flag (CTF) event took place from April 8 through April 10. The Team Game CTF event took place from April 22 through April 24. 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/KW2BTQFFQPYB

CompTIA. Based on the the performance detailed in this NCL Scouting Report, you have earned **4 hours** of Continuing Education Units (CEUs) as approved by CompTIA. You can learn more about the NCL - CompTIA alignment via nationalcyberleague.org/comptia.

Congratulations for your participation in the NCL 2022 Spring Team Game! We hope you will continue to develop your knowledge and skills and make meaningful contributions as part of the Information Security workforce!

David Zeichick
NCL Commissioner

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NATIONAL CYBER LEAGUE SCORE CARD
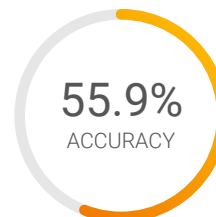
NCL 2022 SPRING TEAM GAME

YOUR TOP CATEGORIES

PASSWORD CRACKING	FORENSICS	WEB APPLICATION EXPLOITATION
99TH PERCENTILE	98TH PERCENTILE	98TH PERCENTILE

NATIONAL RANK
210TH PLACE OUT OF 3658
PERCENTILE 95TH

55.9% ACCURACY

Average: 60.8%

cyberskyline.com/report
ID: KW2BTQFFQPYB

NCL Spring 2022 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.

210 TH PLACE OUT OF **3658**
NATIONAL RANK

95th National Percentile

1480 POINTS OUT OF 3000
PERFORMANCE SCORE
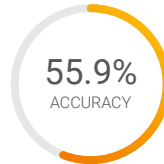
Average: 876.5 Points

55.9% ACCURACY

Average: 60.8%
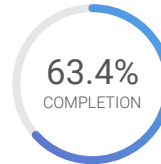
63.4% COMPLETION

Average: 35.7%

Cryptography

145 POINTS OUT OF 345   **100.0%** ACCURACY   COMPLETION: **75.0%**

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

Enumeration & Exploitation

155 POINTS OUT OF 370   **69.2%** ACCURACY   COMPLETION: **52.9%**

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

Forensics

250 POINTS OUT OF 300   **50.0%** ACCURACY   COMPLETION: **80.0%**

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

Log Analysis

125 POINTS OUT OF 300   **39.1%** ACCURACY   COMPLETION: **42.9%**

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

100 POINTS OUT OF 345   **29.6%** ACCURACY   COMPLETION: **38.1%**

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

Open Source Intelligence

200 POINTS OUT OF 300   **53.3%** ACCURACY   COMPLETION: **94.1%**

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

260 POINTS OUT OF 340   **100.0%** ACCURACY   COMPLETION: **91.7%**

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

Scanning & Reconnaissance

100 POINTS OUT OF 300   **11.1%** ACCURACY   COMPLETION: **16.7%**

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

Web Application Exploitation

45 POINTS OUT OF 300   **100.0%** ACCURACY   COMPLETION: **37.5%**

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

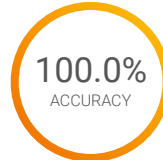Note: Survey module (100 points) was excluded from this report.

The National Cyber League
A Community Where Cybersecurity Is a Passion

Nicolas Michel
nicolas.michel@uconn.edu

Cryptography Module

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

197TH PLACE
OUT OF **3658**
NATIONAL RANK

95th National Percentile

145 POINTS
OUT OF
345
PERFORMANCE SCORE

Average: 116.7 Points

100.0%
ACCURACY

Average: 74.2%

75.0%
COMPLETION

Average: 55.7%

Security Control Assessor
Secure Software Assessor
Exploitation Analyst
Cyber Operator
Security Architect

|					
Decoding 1 (Easy)	**20** POINTS OUT OF 20	100.0% ACCURACY	COMPLETION:		100.0%
Decoding 2 (Easy)	**20** POINTS OUT OF 20	100.0% ACCURACY	COMPLETION:		100.0%
Decoding 3 (Medium)	**35** POINTS OUT OF 35	100.0% ACCURACY	COMPLETION:		100.0%
Decoding 4 (Medium)	**45** POINTS OUT OF 45	100.0% ACCURACY	COMPLETION:		100.0%
Decoding 5 (Hard)	**0** POINTS OUT OF 100	0.0% ACCURACY	COMPLETION:		0.0%
Stego (Medium)	**15** POINTS OUT OF 50	100.0% ACCURACY	COMPLETION:		50.0%
Signature (Hard)	**10** POINTS OUT OF 75	100.0% ACCURACY	COMPLETION:		50.0%

Enumeration & Exploitation Module

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

156 TH PLACE OUT OF 3658
NATIONAL RANK

96th National Percentile

155 POINTS OUT OF 370
PERFORMANCE SCORE

Average: 99.4 Points

69.2% ACCURACY
Average: 60.9%
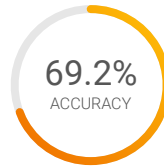
52.9% COMPLETION
Average: 35.1%

Cyber Operator
Target Developer
Exploitation Analyst
Software Developer
Systems Security Analyst

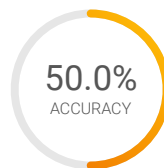|	Points	Accuracy	Completion
Secure Server (Easy)	0 POINTS OUT OF 80	0.0% ACCURACY	0.0%
dSafe (Medium)	90 POINTS OUT OF 90	80.0% ACCURACY	100.0%
Hidden (Hard)	0 POINTS OUT OF 100	0.0% ACCURACY	0.0%
Speedy (Hard)	65 POINTS OUT OF 100	62.5% ACCURACY	83.3%

Forensics Module

Utilize the proper tools and techniques to analyze, process, recover, and/or investigate digital evidence in a computer-related incident.
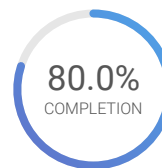
76 TH PLACE OUT OF 3658
NATIONAL RANK

98th National Percentile

250 POINTS OUT OF 300
PERFORMANCE SCORE

Average: 154.7 Points

50.0% ACCURACY
Average: 64.8%

80.0% COMPLETION
Average: 36.8%

Cyber Defense Forensics Analyst
Cyber Crime Investigator
Cyber Defense Incident Responder
Cyber Defense Analyst

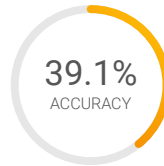|	Points	Accuracy	Completion
Leaky (Easy)	100 POINTS OUT OF 100	100.0% ACCURACY	100.0%
Registry (Medium)	100 POINTS OUT OF 100	42.9% ACCURACY	100.0%
Dump (Hard)	50 POINTS OUT OF 100	55.6% ACCURACY	62.5%

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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.

269 TH PLACE OUT OF **3658**
NATIONAL RANK

93 rd National Percentile

125 POINTS OUT OF 300
PERFORMANCE SCORE

Average: 106.5 Points

39.1% ACCURACY

Average: 41.0%

42.9% COMPLETION

Average: 34.4%

Cyber Defense Analyst
Systems Security Analyst
All-Source Analyst
Cyber Defense Forensics Analyst
Data Analyst

|			
Entertainment (Easy)	40 POINTS OUT OF 100	40.0% ACCURACY	COMPLETION: 57.1%
Eventful (Medium)	85 POINTS OUT OF 100	41.7% ACCURACY	COMPLETION: 83.3%
Oddball (Hard)	0 POINTS OUT OF 100	0.0% ACCURACY	COMPLETION: 0.0%

Network Traffic Analysis Module

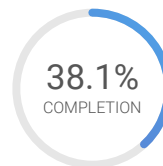Identify malicious and benign network traffic to demonstrate an understanding of potential security breaches.

407 TH PLACE OUT OF **3658**
NATIONAL RANK

89 th National Percentile

100 POINTS OUT OF 345
PERFORMANCE SCORE

Average: 138.6 Points

29.6% ACCURACY
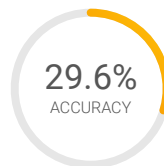
Average: 48.6%

38.1% COMPLETION

Average: 45.4%

Cyber Defense Analyst
All-Source Analyst
Cyber Defense Incident Responder
Target Network Analyst
Cyber Operator

Shell (Easy)	70 POINTS OUT OF 70	62.5% ACCURACY	COMPLETION: 100.0%
Corp Net (Medium)	20 POINTS OUT OF 100	18.2% ACCURACY	COMPLETION: 33.3%
Wifi Cracking (Medium)	0 POINTS OUT OF 75	0.0% ACCURACY	COMPLETION: 0.0%
Stream (Hard)	10 POINTS OUT OF 100	12.5% ACCURACY	COMPLETION: 16.7%

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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.
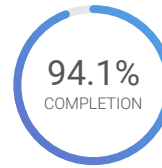
434TH PLACE
OUT OF **3658**
NATIONAL RANK

89th National Percentile

200 POINTS
OUT OF **300**
PERFORMANCE SCORE

Average: 182.7 Points

53.3%
ACCURACY

Average: 63.1%

94.1%
COMPLETION
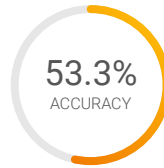
Average: 77.5%

Systems Security Analyst
Target Developer
System Administrator
Research & Development
Specialist
Cyber Intel Planner

Challenge	Points	Accuracy	Completion
Rules of Conduct (Easy)	25 POINTS OUT OF 25	83.3% ACCURACY	COMPLETION: 100.0%
Blockchain (Easy)	65 POINTS OUT OF 65	33.3% ACCURACY	COMPLETION: 100.0%
Use online resources to identify stolen funds on the blockchain			
Banking (Medium)	50 POINTS OUT OF 50	100.0% ACCURACY	COMPLETION: 100.0%
License (Medium)	60 POINTS OUT OF 60	100.0% ACCURACY	COMPLETION: 100.0%
Rendezvous (Hard)	0 POINTS OUT OF 100	0.0% ACCURACY	COMPLETION: 0.0%

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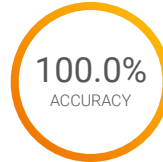
Nicolas Michel
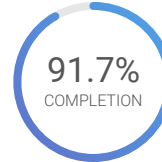nicolas.michel@uconn.edu

Password Cracking Module

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

58 TH PLACE
OUT OF **3658**
NATIONAL RANK

99th National Percentile

260 POINTS
OUT OF **340**
PERFORMANCE SCORE

Average: 157.3 Points

100.0%
ACCURACY

Average: 88.2%

91.7%
COMPLETION

Average: 58.5%

Cyber Operator
Exploitation Analyst
Systems Security Analyst
Cyber Defense Incident Responder
Cyber Crime Investigator

Cracking 1 (Easy)
30 POINTS OUT OF **30**   **100.0%** ACCURACY   COMPLETION: **100.0%**

Crack MD5 password hashes from a known wordlist

Cracking 2 (Easy)
30 POINTS OUT OF **30**   **100.0%** ACCURACY   COMPLETION: **100.0%**

Crack SHA1 password hashes from a known wordlist

Cracking 3 (Easy)
30 POINTS OUT OF **30**   **100.0%** ACCURACY   COMPLETION: **100.0%**

Crack Windows NTLM password hashes

Cracking 4 (Medium)
30 POINTS OUT OF **30**   **100.0%** ACCURACY   COMPLETION: **100.0%**

Extract and crack a wordpress admin password from a database dump

Cracking 5 (Medium)
50 POINTS OUT OF **50**   **100.0%** ACCURACY   COMPLETION: **100.0%**

Build a wordlist to crack passwords following a specific pattern

Cracking 6 (Hard)
65 POINTS OUT OF **145**   **100.0%** ACCURACY   COMPLETION: **71.4%**

Build a wordlist to crack passwords not found in common wordlists

Zip (Medium)
25 POINTS OUT OF **25**   **100.0%** ACCURACY   COMPLETION: **100.0%**

Crack the password of a ZIP archive file

Nicolas Michel
nicolas.michel@uconn.edu

Scanning & Reconnaissance Module

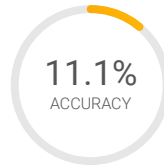Identify and use the proper tools to gain intelligence about a target including its services and potential vulnerabilities.
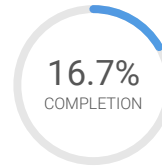
511 TH PLACE OUT OF **3658**
NATIONAL RANK

87th National Percentile

100 POINTS OUT OF **300**
PERFORMANCE SCORE

Average: 125.7 Points

11.1% ACCURACY

Average: 62.9%

16.7% COMPLETION

Average: 36.7%

Vulnerability Assessment Analyst
Target Network Analyst
Cyber Operations Planner
Target Developer
Security Control Assessor

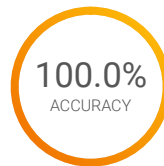|	Points	Accuracy	Completion
Seeking (Easy)	100 POINTS OUT OF 100	100.0% ACCURACY	100.0%
Public (Medium)	0 POINTS OUT OF 100	0.0% ACCURACY	0.0%
Key (Hard)	0 POINTS OUT OF 100	0.0% ACCURACY	0.0%

Web Application Exploitation Module

Identify actionable exploits and vulnerabilities and use them to bypass the security measures in online services.
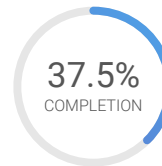
83 RD PLACE OUT OF **3658**
NATIONAL RANK

98th National Percentile

45 POINTS OUT OF **300**
PERFORMANCE SCORE

Average: 43.6 Points

100.0% ACCURACY

Average: 58.2%

37.5% COMPLETION

Average: 25.7%

Cyber Operator
Software Developer
Exploitation Analyst
Systems Security Analyst
Database Administrator

	Points	Accuracy	Completion
Net Admin (Easy)	25 POINTS OUT OF 100	100.0% ACCURACY	50.0%
Travel Agency (Medium)	0 POINTS OUT OF 100	0.0% ACCURACY	0.0%
Search (Hard)	20 POINTS OUT OF 100	100.0% ACCURACY	50.0%