

NATIONAL CYBER LEAGUE

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WHAT IS NCL?

- The National Cyber League (NCL) provides a cybersecurity training ground in a game-like environment that requires participants to work individually in Regular Season and in teams during Postseason Games

The screenshot shows the homepage of the National Cyber League (NCL) website. The browser address bar displays "Secure | https://www.nationalcyberleague.org". The website features a dark blue header with the NCL logo and navigation links: "SPRING SEASON", "FALL SEASON", "NCL IN THE CLASSROOM", "SCOUTING REPORTS", "SPONSORSHIP", "ABOUT", and "NEWS". The main content area has a blue background with various icons representing cybersecurity and education. The central text reads "NATIONAL CYBER LEAGUE" and "WHERE CYBERSECURITY IS A PASSION". Below this, there is a call to action: "Subscribe to the NCL mailing list today, for information, updates and events!" with a "Join Now!" button. The page is divided into two columns. The left column is titled "2017 NCL Fall Season" and features a padlock icon. The right column is titled "NCL in the Classroom" and features a house icon. Both columns contain descriptive text and a "Join Now!" button.

2017 NCL Fall Season

NCL provides a cybersecurity training ground in a high-fidelity simulation game environment that requires participants to play individually during Fall Regular Season and in teams during Fall Postseason Games.

Fall Season Regular Registration

NCL in the Classroom

NCL provides higher education institutions curricula for no charge to assist student preparation for events/professional certifications. NCL in the Classroom is available during Spring Season and Fall Season.

Getting Started is Easy

NCL GROWTH

- This year, 3,461 individuals registered, 702 more than in 2016. Since 2013, the number of participants has more than tripled, giving sponsors an edge in having access to a larger pool of qualified talent.

The screenshot shows the NCL website's registration page for the '17 Fall Season. The page is divided into two main sections: 'FOR INDIVIDUALS, NOT TEAMS' and 'FOR TEAMS ONLY'. The 'FOR INDIVIDUALS, NOT TEAMS' section lists benefits such as full access to the NCL Gymnasium (24x7) to work on exercises, a 1-week-long Preseason game in NCL Stadium, and a Regular Season game in NCL Stadium. The 'FOR TEAMS ONLY' section lists benefits such as full access to the NCL Gymnasium (24x7) to work on exercises, a 1 Postseason game in NCL Stadium, and Prizes for top teams in Gold, Silver, and Bronze brackets. The page also includes a navigation menu at the top and a footer with additional information about the NCL's mission and the content of the hosted exercises.

Secure <https://www.nationalcyberleague.org/fall-season>

SPRING SEASON FALL SEASON NCL IN THE CLASSROOM SCOUTING REPORTS SPONSORSHIP ABOUT NEWS

'17 FALL SEASON

PRE/REGULAR SEASON
\$25 PER INDIVIDUAL
*Late Registration Fees May Apply

FOR INDIVIDUALS, NOT TEAMS

- Full access to NCL Gymnasium (24x7) to work on exercises
- 1 week-long Preseason game in NCL Stadium (used to rank your knowledge/skills)
- 1 Regular Season game in NCL Stadium
- Preparatory Game challenges
- Individualized Scouting Reports
- Certificate of Participation
- Prizes for top place finishers in Gold, Silver, and Bronze brackets

POST SEASON
\$25 PER TEAM
*Late Registration Fees May Apply

FOR TEAMS ONLY

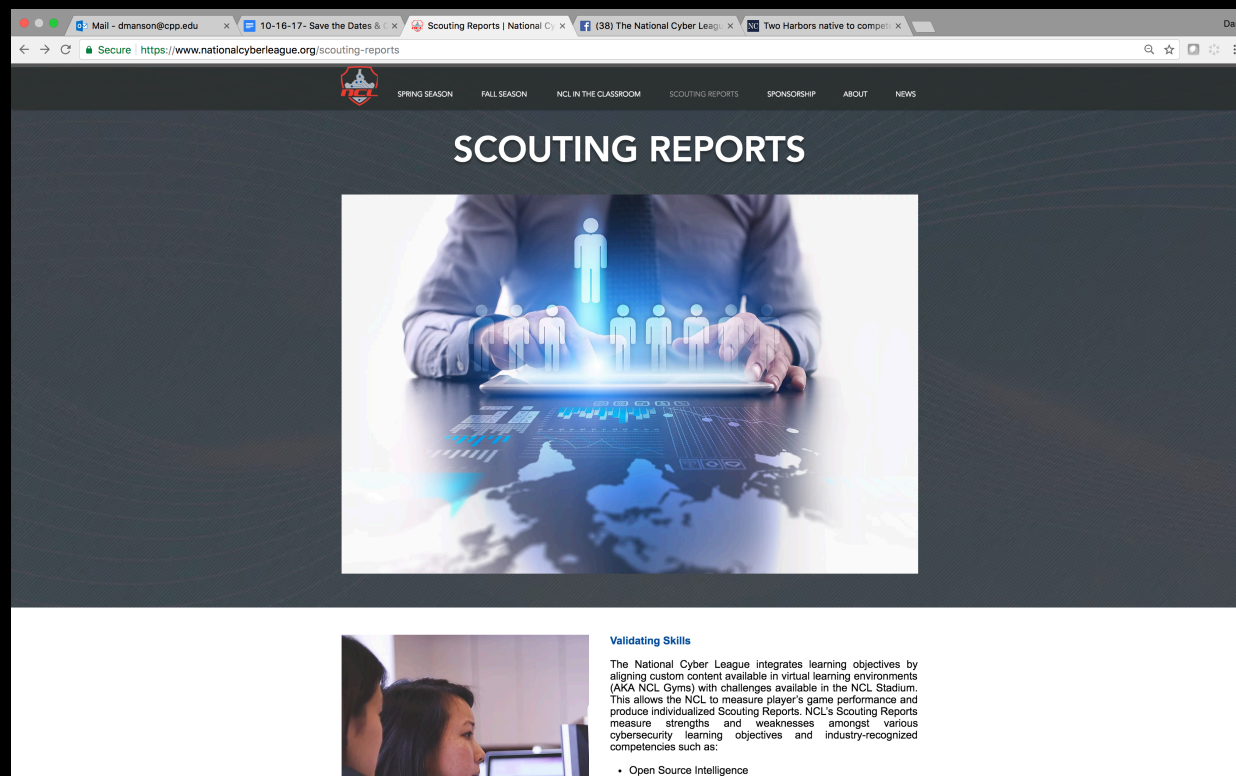
- A school can have any number of teams compete (a student can only compete on one team)
- Full access to NCL Gymnasium (24x7) to work on exercises
- 1 Postseason game in NCL Stadium
- Preparatory Game challenges
- Certificates of Participation for each team member
- Prizes for top teams in Gold, Silver, and Bronze brackets

One of the distinguishing factors of the NCL is the integration of learning objectives in all its activities. The main way this is accomplished is by aligning the preparatory lab exercises available in the NCL Gymsnasiums the challenges themselves. This allows players to use the NCL Gymsnasiums to develop knowledge and skills and then demonstrate these newly acquired skills during Preseason, Regular Season and Postseason Games. It also allows the NCL to measure player's game performance and produce **NCL Scouting Report** (individualized reports) on strengths and weakness amongst various learning objectives.

The hosted exercises and NCL games are based on the CompTIA Security+™ and EC-Council Certified Ethical Hacker (CEH)™ performance-based exam objectives and include the following content: Open Source Intelligence, Scanning, Enumeration, and Enumeration, Reverse Engineering, Social Engineering, Forensics, Malware Analysis, and Malware Analysis.

WHAT MAKES NCL UNIQUE

- One of the distinguishing factors of the NCL is the integration of learning objectives in all its activities. It also allows the NCL to measure player's game performance and produce **NCL Scouting Report (individualized reports)** on strengths and weakness amongst various learning objectives.



The screenshot shows a web browser displaying the 'SCOUTING REPORTS' page on the National Cyber League website. The page features a navigation menu with links for 'SPRING SEASON', 'FALL SEASON', 'NCL IN THE CLASSROOM', 'SCOUTING REPORTS', 'SPONSORSHIP', 'ABOUT', and 'NEWS'. The main content area is titled 'SCOUTING REPORTS' and includes a large image of a person's hands interacting with a tablet displaying a world map and data charts. Below this image, there is a section titled 'Validating Skills' with a sub-image of two people looking at a screen. The text in this section explains that the NCL integrates learning objectives by aligning custom content available in virtual learning environments (AKA NCL Gyms) with challenges available in the NCL Stadium. This allows the NCL to measure player's game performance and produce individualized Scouting Reports. NCL's Scouting Reports measure strengths and weaknesses amongst various cybersecurity learning objectives and industry-recognized competencies such as:

- Open Source Intelligence

NCL SCOUTING REPORT EXCERPT

NCL Scouting Report™

What follows is a customized **NCL Scouting Report™** of player performance in both the Pre- and Regular season games. We hope you find it to be valuable in both confirming the skills the player demonstrated competencies in, as well as identifying areas for improvement. In addition, the **NCL Scouting Report™** can be used as part of any job application, as it provides an external validation of skills as demonstrated in competitive game play based on industry-recognized certification performance-based exam objectives.

Overall Statistics

The following table shows player statistics by Bracket, in Conference and National play:

- **Bracket:** Gold, Silver, or Bronze; based on the Pre-Season Round
- **Bracket Rank:** overall place nationally, by Bracket
- **National Rank:** overall place with respect to all players, across all Brackets
- **Total Score:** total combined flag points; the higher the score, the higher the ranking
- **Total Flag Captures:** the combined number of *successful* flag captures/submissions
- **Total Flag Attempts:** the combined number of flags submitted to the ScoreBot
- **Accuracy:** percentage of flag submissions that were correct; Formula: Total Flag Captures divided by Total Flag Attempts

The highest overall Regular season score nationally was 8,690, with 221 total flag captures out of 312 attempts and a 70.83% overall accuracy rate by a Gold Bracket player.

Bracket	Bracket Rank	National Rank	Total Score	Total Flag Captures	Total Flag Attempts	Accuracy
Gold	8	9	6,465	240	414	57.97%

www.NationalCyberLeague.org

NCL 2015 IS POWERED BY
CYBER SKYLINE

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WHAT PLAYERS ARE SAYING

The screenshot shows a web browser window with several tabs open. The active tab is a WordPress blog post. The browser's address bar shows the URL: <https://cryptokait.wordpress.com/2017/05/21/the-importance-of-the-national-cyber-league-ncl-scouting-report/>. The page content includes a header with the author's name 'CRYPTO KAIT' and a list of roles: 'EDUCATOR | GRADUATE STUDENT | CYBER SECURITY SPECIALIST | WEB DEVELOPER | CRYPTOGRAPHY ENTHUSIAST | OVERLY-ATTACHED PUPPY MOM'. A red navigation bar contains links for 'HOME', 'ABOUT', 'CONTACT', and 'BLOG'. The main content area features the article title 'THE IMPORTANCE OF THE NATIONAL CYBER LEAGUE (NCL) SCOUTING REPORT' and a date 'May 21, 2017'. The article text begins with 'When I first started competing in the National Cyber League in September 2015, I did not score very well. Frankly, it was embarrassing how badly I ranked and I'm pretty sure I only beat the people who didn't even log in. But I battled. I learned along the way. And soon enough, I was a fierce competitor.' On the right side of the page, there is a 'Follow Crypto Kait' button, a search bar, and a 'RECENT POSTS' section listing 'Grace Hopper Celebration (#ghc17) Capture the Flag: Learning to Hack for Fun and Profit' and 'Grace Hopper Celebration (#ghc17) Day 2 Recap'.

Mail - dmanson@cpp.edu x Two Harbors native to compet... x Kaitlyn Bestenheider (@Crypto... x The Importance of the Nationa... x Dan

Secure | <https://cryptokait.wordpress.com/2017/05/21/the-importance-of-the-national-cyber-league-ncl-scouting-report/>

CRYPTO KAIT

EDUCATOR | GRADUATE STUDENT | CYBER SECURITY SPECIALIST | WEB DEVELOPER | CRYPTOGRAPHY ENTHUSIAST | OVERLY-ATTACHED PUPPY MOM

HOME • ABOUT • CONTACT • BLOG

THE IMPORTANCE OF THE NATIONAL CYBER LEAGUE (NCL) SCOUTING REPORT

May 21, 2017

When I first started competing in the [National Cyber League](#) in September 2015, I did not score very well. Frankly, it was embarrassing how badly I ranked and I'm pretty sure I only beat the people who didn't even log in.

But I battled.

I learned along the way.

And soon enough, I was a fierce competitor.

Follow Crypto Kait

- SEARCH -

Search ...

- RECENT POSTS -

[Grace Hopper Celebration \(#ghc17\) Capture the Flag: Learning to Hack for Fun and Profit](#)

[Grace Hopper Celebration \(#ghc17\) Day 2 Recap](#)

Follow

WHAT CLUBS ARE DOING



The screenshot shows a web browser window with the URL nevadacyberclub.com/cyber-competitions/. The page features the Nevada Cyber Club logo and a navigation menu with links for HOME, CYBER CLINICS, CYBER COMPETITIONS, GALLERY, and ABOUT. The main heading is "Cyber Competitions", followed by a paragraph stating that members train for and compete in individual and team-based cyber-security competitions like the National Cyber League, with some members scoring in the top 10% nationally. Two tables are displayed: one for the National Cyber League - Spring 2017 - Team results and another for the National Cyber League - Spring 2017 - Individual results.

Cyber Competitions

Members of the Nevada Cyber Club train for and compete year round in both individual and team based cyber-security competitions such as the National Cyber League. We have several members that have scored within the top 10% in the nation.

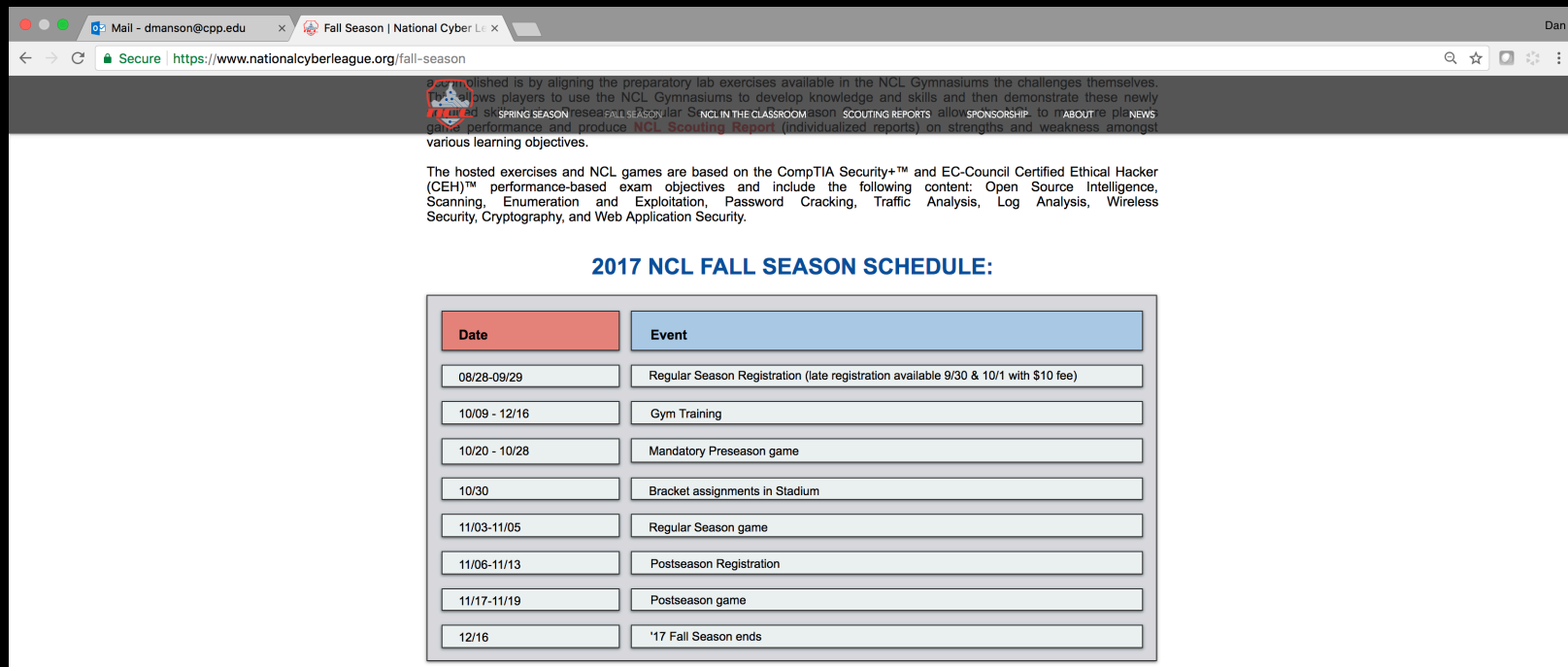
National Cyber League – Spring 2017 – Team

Team	Rank (/150)	Members
NCC-1701	4	Alexander Parr, Houston Lucas, Jared Knutson, Ian Grant, Arush Prashar, Tim Muller, Megan Nilsen
NCC-74656	53	Andrew McIntyre, Zach Tucker, Jamie Poston, Ryan Lunt, Jackson Melcher

National Cyber League – Spring 2017 – Individual

Name	Bracket	Rank (/1874)
Alexander Parr	Gold	35
...

FALL 2017 SEASON SCHEDULE



Completed is by aligning the preparatory lab exercises available in the NCL Gymsnasiums the challenges themselves. This allows players to use the NCL Gymsnasiums to develop knowledge and skills and then demonstrate these newly gained skills in a competitive environment. The NCL Fall Season Scouting Reports allow sponsorship to produce NCL Scouting Report (individualized reports) on strengths and weakness amongst various learning objectives.

The hosted exercises and NCL games are based on the CompTIA Security+™ and EC-Council Certified Ethical Hacker (CEH)™ performance-based exam objectives and include the following content: Open Source Intelligence, Scanning, Enumeration and Exploitation, Password Cracking, Traffic Analysis, Log Analysis, Wireless Security, Cryptography, and Web Application Security.

2017 NCL FALL SEASON SCHEDULE:

Date	Event
08/28-09/29	Regular Season Registration (late registration available 9/30 & 10/1 with \$10 fee)
10/09 - 12/16	Gym Training
10/20 - 10/28	Mandatory Preseason game
10/30	Bracket assignments in Stadium
11/03-11/05	Regular Season game
11/06-11/13	Postseason Registration
11/17-11/19	Postseason game
12/16	'17 Fall Season ends

PRESEASON

As part of the Regular Season registration, participant knowledge and skills will be assessed in a mandatory Preseason Game

[LEARN MORE](#)

FIND US ON FACEBOOK

- <https://www.facebook.com/nationalcyberleague/>



WATCH OUR VIDEOS

- <https://www.facebook.com/pg/nationalcyberleague/videos/>

The screenshot displays the Facebook interface for 'The National Cyber League'. The page header includes the name 'The National Cyber League' and navigation options like 'Home', 'Find Friends', and 'Settings'. The main content area features a large banner with the text 'FALL SEASON' over a background of people working. Below the banner are sections for 'Feature One of Your Videos', 'Create Playlists With Your Videos', and 'All Videos'. The 'All Videos' section shows a grid of video thumbnails with titles and view counts. The left sidebar contains navigation links such as 'Home', 'About', 'Photos', 'Events', 'Reviews', 'Videos', 'Posts', 'Services', 'Shop', 'Groups', 'Notes', 'Offers', 'Jobs', 'Community', 'Promote', and 'Manage Promotions'.

SAMPLE VIDEOS

- [Log Analysis](#)
- [Open Source Intelligence](#)
- [Password Cracking](#)

QUESTIONS

