



# Cyber Eagles Reach Newsletter

Term: Fall | Date:  
October 15, 2021

Editor: Jake Graves,  
Computer Science

## Cyber Club Happenings

by Jake Graves and Asia McKissack

On October 7th, we had a special guest speaker at the Cyber eagles meeting, Hungdan Ly from AllianceBernstein. He came and talked to us about the challenges of applying security in the workplace. The meeting was more like a Q&A style where he asked us questions, and we asked him questions. We talked about the different types of security risks in a company and how we could help prevent them. Some that we named were ransomware, lack of basic security training, and types of software used to avoid hackers. Great points were being made; for example, someone mentioned that paying a ransom could be more harmful because the company doesn't know for sure if the hacker completely left their system and could have left traces to get back in and extort the company some more. In response to that, Hungdan said that companies would rather pay the ransom because the price is insignificant to the company because they have so much money, and it is worth it to get control of their company again and not lose any more money.

There was a WiCyS meeting on September 21st, 2021, where several members from a panel discussed the recent WiCyS 2021 conference in Colorado. There were people on the panel who did talks for the conference, and some who presented items for it. This was a full panel of students who had shown their interest in cyber as a career, and they helped explain how other students their own careers could further in cyber. The largest takeaway from this panel was the fact that companies care more about interested candidates who show interest in cyber outside of class, than candidates who only do their schoolwork. The importance of things like the career fair and other opportunities on campus took center stage as all panel participants agreed upon the one fact that when you search for a job: be interested in the company, field of work, and technicalities before talking to them. Come prepared to talk about the company, and how you have a preexisting interest in what the company does. Remember, preparedness is a prerequisite for success!

## Adopt a Kin Campaign

**October is National Cybersecurity Awareness Month!** In recognition of this, CEROC is hosting **Adopt a Kin Campaign** where *YOU can educate one of your family members about Cyber Safety*, maybe your grand parent! Seniors represent one of the largest populations on social media platforms such as Facebook using smartphones.

You can find cyber safety resources available at <https://bit.ly/3vnDN3q> or at <https://staysafeonline.org>. Once you are done, **submit your act of service** using the QR code to receive a **CEROC purple blanket** for you and your adopted kin!



## Message from CEROC

It's the time of the semester - the mid-semester hump that one dreads but most find ways to get over! Sam Ewing said: *Hard work spotlights the character of people: some turn up their sleeves, some turn up their noses, and some don't turn up at all.* Hope you find the strength in you to roll up your sleeves and work hard to get into the 2nd part of the semester with the pride that YOU showed up!  
-Dr. Ambareen Siraj, Director, CEROC

# Cyber Discovery Day

By Warren Proctor

The Cyber Discovery Day held on Oct. 2nd, 2021 was a very eye opening experience for all who attended. I'm a freshman in the program and before that my high school did not have any computer science classes. Most high-schools in the Tennessee area do not have any courses in depth courses in computer science and if they do, they are normally not in cybersecurity. I didn't even know I wanted to do anything cyber related until I was in my last semester of high school. This discovery day gave me a taste of what cyber was all about. While the student panels gave a lot of excitement and reinforced my thoughts that I was in the right program, the most impactful talk that I attended was the keynote speaker Russel Veterini. I have a lot of passions outside of computer science such as writing and public speaking. Mr. Veterini spoke of the various ways to plug into the cyber field. It reminded me that even though my major is very computer based, I will still have opportunities to tap into my other talents or use them to forward education on the topics that I am passionate about.

## Security Toolbox

**Kali Linux** – Kali Linux is a free open-source tool that is used for penetration testing and security auditing. Kali Linux is a Debian based operating system that has hundreds of preinstalled and preconfigured tools that help with security tasks, such as Computer Forensics, Reverse Engineering, Penetration Testing, and Security Research. Some of the popular tools that Kali comes with are NMAP, Wireshark, Metasploit, Burpsuite, and many more. While Kali is originally built as a linux system, they have also come out with tools for both Android devices (NetHunter) and Window Subsystem for Linux on Windows machines (Win-KeX). While Kali is a really cool resource, please make sure you have permission to use the tools on both the network and specific machines before you actually use them.

<https://www.kali.org/>

## Ph.D Student Highlight



**Luke Lambert**

My name is Luke Lambert and I am a Ph.D. student here at Tech. I have actually been here for quite a while, starting as a freshman in 2014, graduating with a B.S. in Computer Science in 2018, and then graduating with a M.S. in Computer Science in 2020. During my Master's, I was supported by a Graduate Teaching Assistantship and taught the Object-Oriented Programming Lab for four semesters from 2018-2020, while researching fuzzy logic-based load management between the smart grid and plug-in electric vehicles. My current research is supervised by Dr. Sheikh Ghafoor and pertains to in-vehicle security, specifically with vulnerabilities regarding the most popular in-vehicle communication network today, the CAN bus, and how these vulnerabilities might be mitigated by introducing a form of vehicular Named Data Networking. My advice to students is this: don't be afraid of reaching out for help. Whether it is in person, via zoom/teams, email, text, etc., if you are struggling, don't hesitate to reach out to your professors, TAs, classmates, friends, or family. As someone who considers themselves more introverted, I understand that this can be difficult for some, but it is 100% worth it.

# Across The Wire

Compiled by Jake Graves,  
Warren Proctor

On Wednesday, the 6th, the U.S. government made the announcement of the formation of a new Civil Cyber-Fraud Initiative. The goal behind this is to hold contractors accountable for any failings of cybersecurity requirements that are needed to safeguard the public sector information and infrastructure. "Government contractors who receive federal funds, when they fail to follow required cybersecurity standards – because we know that puts all of us at risk," statement Deputy Attorney General Monaco in a press statement. This new initiative's motive is to build a quick response system and plasticity for cyber intrusions. The U.S. Justice Department (DoJ) is now holding companies accountable for providing not up to par cybersecurity products or services, misleading or misrepresenting their cybersecurity practices or protocols, or not following through on their obligations to monitor and report cybersecurity incidents and breeches. To do this the government will fully utilize the False Claims Act (FCA) to go over contractors who breach their agreements or fail to provide the needed cybersecurity. Following this the DoJ also introduced the launch of a National Cryptocurrency Enforcement Team (NCET) to shut down money laundering schemes. A week earlier the U.S. Federal Communications Commission (FCC) made a proposal to mend the Customer Proprietary Network Information (CPNI) and Local Number Portability rules to require wireless carriers to have secure methods of confirming a customer's identity before transferring their phone number to a new carrier.

Source: <https://thehackernews.com/2021/10/us-justice-dept-launches-civil-cyber.html?m=1>

# Scholarship Student Highlight



## Timothy Brandel

I am Timothy Brandel an undergraduate student here at Tennessee Technological University graduating this semester. I will be receiving my BS degree in Computer Science and a minor in Mathematics. My concentration is in Information Assurance and Cybersecurity, I have worked at CEROC, been President for our ACM chapter, and I am apart of the CyberCorps: Scholarship for Service program. I am from Knoxville Tennessee and plan to continue my education as a graduate student here at Tech doing research Dr.Shannigrahi. My advice to future students would be to get involved with any club on campus you are interested in, because it will open the door to great opportunities.

## Elena Becker

I'm Elena Becker, and I am a DoD scholarship student in the last semester of my undergraduate degree here at Tech. I'm originally from Manheim, PA. So far, I've loved it at Tech because the people are fantastic. The Computer Science professors actually care about their students, and the classes they teach are interesting and challenging in the right areas, so I've enjoyed every CSC course I've taken thus far. I've also liked the various CSC clubs available on campus, like ACM and CyberEagles. After getting my B.S. degree, I will be working on my M.S. with research on Digital Forensics of IoT for Incident Response under Dr. Maanak Gupta, and then I will be working at NIWC LANT, my DoD agency. My advice for students is to get involved in student groups and to not be afraid to ask professors questions.



# Across The Wire

Compiled by Jake Graves and Mike Soare

Ransomware has become a largely popular method in breaching an organization nowadays specifically due to its enormous payouts, and the complications that it creates for legal teams and the government reaction alike, it becomes an easy target for people who want to get their hands on some quick money. After speaking at the Mandiant Cyber Defense Summit in Washington, the NSA chief Gen. Paul Nakasone was asked if he thought that ransomware would be a continued problem for the next 5 years, and he believes ransomware poses an “everyday risk” to the United States and should be classified as a “national security issue.” The main issue is that the government and individual companies need more information both about how to secure their networks and information, but also how to respond and recover from these attacks. As we head towards the future, we must personally proceed with excellent security practices to protect our most vulnerable points. We have to begin to understand this threat that is already here and actively attacking and fighting us. The more information we have about how these attacks happen, the faster we can mitigate damages and help get attacks, like the Colonial Pipeline attack, to not devastate us as it did.

Source: [https://therecord.media/nsa-chief-predicts-u-s-will-face-ransomware-every-single-day-for-years-to-come/?web\\_view=true](https://therecord.media/nsa-chief-predicts-u-s-will-face-ransomware-every-single-day-for-years-to-come/?web_view=true)

## Graduating Student Highlight



**Richard Brown**

I am an SFS graduate student studying computer science with a concentration in cyber-security. I am 24 years old. I am also a cyber-security R&D graduate intern at Sandia National Labs since Summer 2019. I was born in Knoxville, TN. Over my childhood, I have lived in Indiana and South Carolina before moving to Crossville, Tennessee where I have lived since 2012. I enrolled into Tennessee Tech, majoring in Computer Science in Fall 2015. I received my bachelor's degree in Fall 2019 and will receive my master's Computer Science degree in December 2021. I am currently pursuing several different jobs, and I am primarily interested in government research. Ideally, I would like to be working at Oak Ridge National Labs or Sandia National Labs after graduation. My advice to cybersecurity students is to apply to as many internships and participate in as many competitions and CEROC activities as you can. Internships will make you grow as a cybersecurity professional and give you confidence. Participating in competitions and CEROC activities will put you into contact with unique opportunities that will help build your resume and significantly help start your career.

## Fun Corner

Here are some cyber jokes that will be sure to make you grin!

- I needed a password eight characters long so I picked SnowWhiteandtheSevenDwarves.
- Where did the cybersecurity team go the last few days? They ran-som-ware.
- What do you call it when computer science majors make fun of each other?  
Cyber boolean

# Accolades

- A. Adeyemo, F. Khalid, T. A. Odetola, S. R. Hasan, "Security Analysis of Capsule Network Inference Using-Horizontal Collaboration:" , in 64th IEEE International MidWest Symposium on Circuits and Systems, 2021.
- D. Gupta, Maanak Gupta, Smriti Bhatt, and Ali Saman Tosun. "Detecting Anomalous User Behavior in Remote Patient Monitoring." IEEE conference on Information Reuse and Integration for Data Science (IRI) 2021.
- E., Jonathan, Ohad Newton, Jeffery O'Rear, Scott Riley, Jaehong Park, and Maanak Gupta. "Leveraging Aviation Risk Models to Combat Cybersecurity Threats in Vehicular Networks." Information 12, no. 10 (2021): 390.
- H. Raoof Mohammed, Faiq Khalid, Paul Sawyer, Gabriella Cataloni and Syed Rafay Hasan, "InTrust-IoT: Intelligent Ecosystem based on Golden Dataset Free Power Profiling of Trusted device(s) in IoT for Hardware Trojan Detection", accepted for publication in Workshop on Hardware and Architectural Support for Security and Privacy (HASP), October, 2021.
- H. Mohammed, T. A. Odetola, N. Guo, S. R. Hasan, "Dynamic Distribution of Edge Intelligence at the Node Level for Internet of Things", in 64th IEEE International MidWest Symposium on Circuits and Systems, 2021.
- J. Nelson, T. A. Odetola, S. R. Hasan, "WORDA: A Winograd Offline-Runtime Decomposition Algorithm for Faster CNN Inference", in 64th IEEE International MidWest Symposium on Circuits and Systems, 2021.
- R. Srivastava, Ravi Tomar, Maanak Gupta, Anuj Kumar Yadav, and Jaehong Park. "Image Watermarking Approach Using a Hybrid Domain Based on Performance Parameter Analysis." Information 12, no. 8 (2021): 310.
- S. Bhatt, Thanh Kim Pham, Maanak Gupta, James Benson, Jaehong Park, and Ravi Sandhu. "Attribute-Based Access Control for AWS Internet of Things and Secure Industries of the Future." IEEE Access 9 (2021): 107200-107223.
- Md Ahsan Ayub, and Ambareen Siraj: "Similarity Analysis of Ransomware based on Portable Executable (PE) File Metadata," Proceedings: IEEE Symposium Series on Computational Intelligence Conference (IEEE SSCI) to be held December 4th – 7th, 2021, Orlando, FL.

## Across The Wire by Jake Graves

Google has begun to make plans to help prevent unauthorized logins to accounts. They have stated that, by the end of the year 2021, they will have automatically turned on two factor authentication on for 150 million users! They also have announced that they will require 2 million YouTube content creators to do the same. This is a huge step in the correct direction of security! Many people do not use MFA (multi factor authentication) because they believe that it is a hassle or takes too much time. However, the security benefits are enormous, and once people begin using MFA, it becomes second nature. Google's AbdelKarim Mardini and Guemmy Kim say, "2SV is strongest when it combines both 'something you know' (like a password) and 'something you have' (like your phone or a security key)." Having the second form of authentication will be able to prevent many attacks before they even begin by allowing you to get a notification of an attempted log in! If you do not have MFA set up on your personal accounts, I would heavily recommend it because it can save your information.

Source: <https://thehackernews.com/2021/10/google-to-turns-on-2-factor.html>

# Across The Wire

Compiled by Jake Graves,  
Asia McKissack

The popular streaming site Twitch was recently hacked, leaking users' email and passwords and a list of the highest-paid channels plus how much they were paid. Experts had predicted that this wasn't just a direct attack on Twitch but rather an attack on users whose personal information was breached. An independent security researcher found steamers' email addresses and passwords in plain text in one exposed datastore. Twitch disclosed that data was exposed to the internet due to "an error in a twitch server configuration change that a malicious third party subsequently accessed." They said that their teams were investigating but haven't found any evidence that login credentials had been exposed. Even though Twitch didn't find any evidence of exposed user data, the independent security researcher shared with PrivacySharks datastores personal data, including a PayPal file containing details on more than 1,000 chargebacks made from Twitch to various platforms. The records include full names, email addresses, buyer comments, and amounts. The anonymous leaker called the data dump "part 1" of the leak but didn't say what else they might have up their sleeve. Twitch hasn't acknowledged the leak of personal data. Still, the findings of PrivacySharks' researcher contact thinks differently. Hence, experts suggest that to protect themselves, Twitch users should enable two-factor authentication and ensure that they are not using their old Twitch password for any other accounts.

Source: <https://threatpost.com/twitch-leak-emails-passwords/175390/>

# Current Student Highlight



## Austin Tice

Hey, what's up?! My name is Austin Tice and I am a graduate student studying cybersecurity here at Tech. I'm a Nashville native, so coming to Tech for college was just the next logical step due to the proximity and great CS department we have. In my time outside of class I help lead Tech's CTF(Capture The Flag) Cyber Interest Group(CCIG) and help CEROC with outreach events. At these events we typically play a CTF where we take on fun, technical challenges and learn topics ranging from cryptography to binary exploitation. Lots of what I've learned in CTF's has been directly applicable to my current job, which is as a security researcher at Sandia National Labs. My best advice for students is to "learn to be okay with being confused for long periods of time"; the point being, you learn/grow the most when you push through the annoying part of wanting to quit and being confused!

## Bethanie Williams

Hello I'm Bethanie! I am a second year Master's student and research assistant at TN Tech. I graduated with my Bachelor's in Computer Science, Mathematics, and Spanish at Berea College in Berea, KY. I am from a small town in East TN called Parrottsville. This is my first year in person at Tech, but so far it has been a great experience. Since coming to Tech, I have been studying security issues in smart manufacturing. This past summer I was able to do an internship with Sandia where I worked on two projects which included building a super cool web application and doing research on access management systems in the cloud. I am now a year-round intern at Sandia and am working on a project related to smart manufacturing called CyManII. After I get my Master's, I want to obtain my PhD so I can become a professor. The advice that I am going to give students is my life motto: It's not where you start, it's where you finish!



# CEROC Project Highlight: Community College Cyber Enrichment

By Dee Zhou

The Community College Cyber Enrichment (C3E) program is funded by the Department of Defense via the Cybersecurity Scholarship Capacity Building Program to grow the pipeline of cybersecurity workforce from community colleges in Tennessee. Last year, more than 60 students from 12 community colleges participate in the C3E project, where they attended a seminar and a workshop hosted by CEROC. As part of the program, the C3E project also sponsored 19 students to participate in the NCL 2021 spring season. Over the summer five students participated in the summer bridge program, where they were able to take bridge courses at Tennessee tech. The project also sponsored a few students to attend the 2021 WiCyS conference in Denver, Colorado.

More information about the project can be found here: <https://www.tntech.edu/ceroc/outreach/c3e.php>

## Cybersecurity in Movies

Looking for a fun cybersecurity movie to relax with after midterms? Obviously hacking would be a bit boring to watch normally, but here is a top 5 list of movies and tv shows with hacking scenes that were somewhat correct:

- WarGames (1983)
- Mr Robot (2015-2019)
- The Matrix Reloaded (2003)
- The Girl With the Dragon Tattoo (2011)
- The Italian Job (2003)

Source: <https://www.infosecurity-magazine.com/blogs/top-five-hacking-portrayals-movies/>

## Faculty Highlight



Denis Ulybyshev

Denis Ulybyshev is an Assistant Professor in the Department of Computer Science. He conducts research in the areas of data privacy, cryptography, Web/ OS/ Cloud/ Database/ Cyber-Physical Systems security, software accessibility, blockchain-based technologies. He earned his PhD and Master's degrees in Computer Science from Purdue University in 2019; a Bachelor's and Master's degrees in Automatic Control Systems from Bauman Moscow State Technical University in 2002 and 2004. From 2004 till 2012 Denis worked as a Software Development Engineer. He won the Diamond Award in CERIAS Information Security Symposium in 2019 for outstanding academic achievements (#1 out of ~95 students) and a Purdue University Computer Science Harris Teaching Award for "Supporting Women in Core Classes" in 2017. His research at Tech is funded by NASA and DENSO North American Foundation. Denis developed a new cybersecurity course CSC 6590 "Application Security" that will be offered in Spring 2022. He is a member of Computer Science Diversity Committee. His diverse research group includes female and male, graduate and undergraduate, domestic and international students. In 2019 his group won a 1st place award in the student presentations competition of the ACM Mid-Southeast Chapter Conference.

To know more about Denis Ulybyshev's work, visit <https://sites.tntech.edu/dulybyshev/>

## Alum Highlight



**Quentin Johnson**

My name is Quentin Johnson and I am from La Vergne, TN, a suburb just south of Nashville. I graduated from Tech in 2020 with my master's degree after receiving my bachelor's the year prior. I was awarded the DoD CySP scholarship and, it was through that program, that I received my current employment working for the Department of Defense. My experience at Tech was nothing short of amazing. I was surrounded by strong-minded students and incredible faculty and staff whom I am forever thankful for. I was able to participate in several of the outreach and extracurricular activities CEROC offers and it is truthfully through involvement in those activities that I discovered my love and passion for cybersecurity and desire to help others find that same passion. My advice is to get involved in everything and explore all opportunities because you will never know whether or not something is enjoyable until you try it. It may seem overwhelming and difficult at first but as long as you have the passion for it, it will become natural and easier for you over time. Trust yourself and your abilities and be the best version of YOU.

## ACM and Cyber Eagles Resume Development

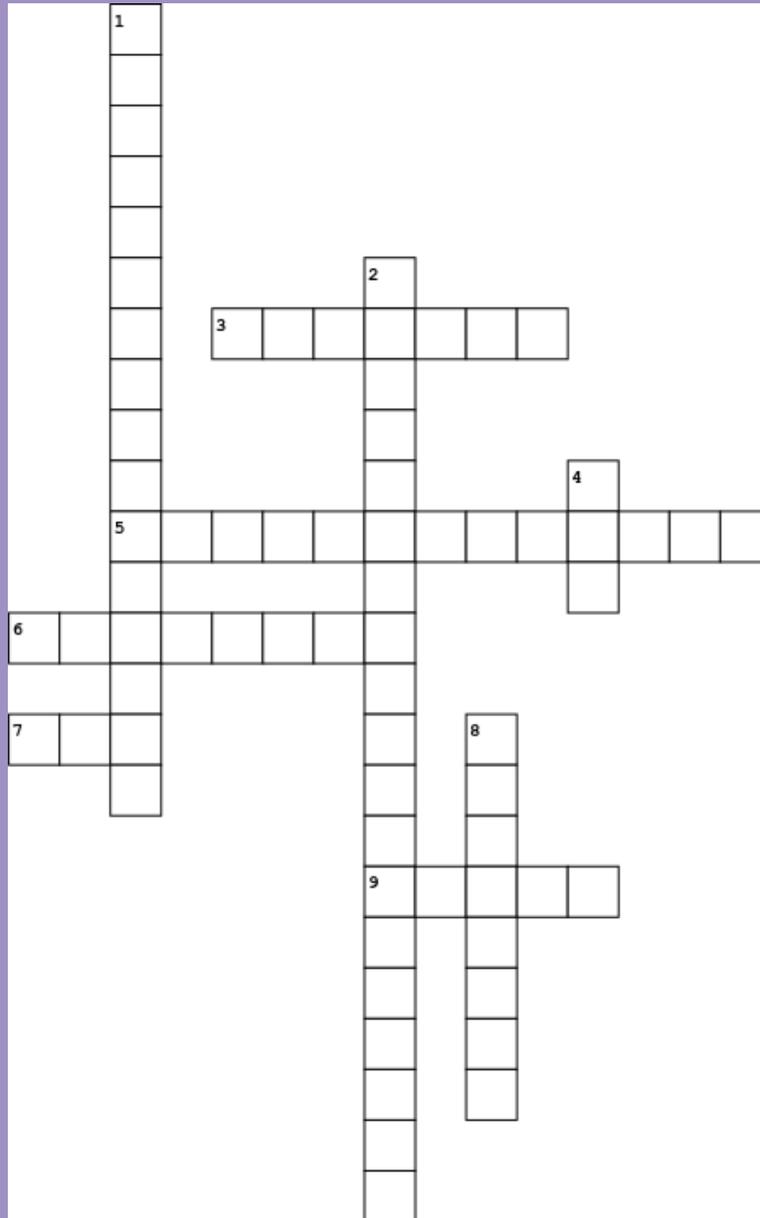
by Jake Graves

On September 28th, ACM and Cyber Eagles joined forces to bring in several speakers (Regan Williams, Katie Dey, and Heather Lucas) to talk to our students about resume building. Resumes are not a "one size fits all" deal. Different jobs will want to know and see different things. Some professionals want to see effort put in small decoration; others find it distracting. The real key to resume success is getting as many professional opinions on it as you can by handing it to as many people in your field who will review it as possible. However, there are a few key things that I have learned from going to talks by professionals about what makes and breaks resumes.

For starters, many people looking over your resume are also looking over several hundred other resumes. This can seem daunting, but it is all the more reason to make sure that you stand out among the crowd. The first thing that every professional says is to make your resume less crowded. If there is information on your resume about how you have camping skills when you are applying for a security analyst position, that is not a relevant interest and should not be included. This means thinning out a resume until only relevant information remains, but that could leave a lot of whitespaces. This brings me to my next point, white space on a resume. Having some white space on a resume is not bad, but having too much could give off the impression that you have no experience. As students we often struggle to think of things to put on resumes, but we are always working on our experience whether we know it or not. Many employers will happily look at your class projects as long as they are relevant experience! Putting down that you attend our cyber clubs and summarizing some of the interactive activities would also be a valid thing to put down under experiences.

Something that I did not expect speakers to say was that putting a picture on your resume could be a bad idea depending on the company that you are applying for. Katie Dey, a speaker from the ACM and Cyber Eagles meeting on September 28th, said, "We all have our unconscious bias whether we know it or not. Giving whoever is reviewing you unnecessary information is something that you may want to avoid. However, if you have a professional picture of yourself on your resume you do not have to delete it, but it is something to think about in today's world."

# Firewall Crossword Puzzle



## DOWN

1. Host that runs secure OS with only essential services and proxies.
2. First generation firewall. Also known as "Shallow filters" (hint use a - for the space)
6. Area between your network and the internet.
8. Third generation firewall. Intermediate agent acts on behalf of endpoint.

## ACROSS

3. Wall to guard your network from unwanted traffic before it gets in.
4. Virtual private network
5. second generation firewall. Also known as dynamic filters
7. An attack where the attacker uses the IP fragmentation option to create extremely small fragments and force the TCP header information into a separate packet fragment.
9. An attack where you pretend to be someone you are not.

# Group Research in Cyber

by Denis Ulybyshev

In his research Denis uses his industrial experience of large-scale software development and collaborates with industry practitioners from Airbnb and Coze Health (a healthcare company). He also collaborates with a Biz Foundry, a non-profit entrepreneur development center in Cookeville. Denis' research group, "Software and Systems Security Lab" (EASSEL), is working on the following projects:

- "Secure Data Acquisition for Robotic Systems in Space Infrastructure". This project is funded by NASA, Marshall Space Flight Center. It is a joint project with Dr. Charles Van Neste and his team (Dr. Matthew Pearce, Tyler Marcum, Michael Coultis) from the ECE department and with Dr. Maanak Gupta and Glen Cathey. Students from Denis's group who are involved in this project: Trey Burks, Vadim Kholodilo, Bradley Northern.
- "Cyber Risk Vulnerability Assessment for Building Secure Computing Systems". Students involved: Bradley Northern, Trey Burks, Marlana Hatcher.
- "Navigation and Recommendation System for Visually Impaired People in Campuses and Smart Cities". Student involved: Vadim Kholodilo. This project is funded from the Tech Faculty Research Award won in 2021.
- "Decentralized Data Exchange and Fine-grained Access Control for Transaction Ledgers and Smart Contracts in Blockchain-based platforms". Students involved: James Massengille, Trey Burks
- "Secure Notification and Monitoring System for Virtual Machines and Cloud-based Infrastructures". Students involved: Rumi Ujiie, Vadim Kholodilo
- "Smart Warehouse with the Blockchain-based Supply Chain Management System". Students involved: Trey Burks, Bradley Northern, James Massengille
- "Field Diagnostics and Monitoring for Cyber-Physical Systems in case of Emergencies". Students involved: Tate Seyler, Vadim Kholodilo

## Upcoming Events

October 19-21: TMIE Virtual Cybersecurity Summit

October 19-20 Purdue Virtual Security Symposium

Thursday October 21: Cyber Eagles Meeting 11-12pm

Thursday October 21: Defense Meeting 6-8pm

Thursday October 28: Offense Meeting 6-8pm

Thursday November 4: Cyber Eagles Meeting 11-12pm

Thursday November 4: Defense Meeting 6-8pm

Thursday November 11: Offense Meeting 6-8pm

# Opportunities In Cyber

**Women in Cybersecurity Conference 2022:** Women in Cybersecurity Conference 2022 is open for student scholarship applications and Call for participation. Submit scholarship applications and/or a talk or student research poster proposal for WiCyS 2022 in Cleveland.

More information here: <https://www.wicys.org/events/wicys-2022/>

**The Chain Reaction - A Cyber Breach Experience:** This event will provide an opportunity for students and faculty to experience a live environment response to a common cyber threat. The exercises will be separated into two events, one for graduate students and community college faculty and another event for undergraduate students.

Graduate Students and Faculty sign up has closed.

Undergraduate Students sign up: <https://www.surveymonkey.com/r/StudentNov5>

**TMIE Virtual Cybersecurity Summit:** This summit for university students works to initiate cybersecurity knowledge sharing to stimulate student's interest in cybersecurity careers. This summit also coincides with NIST NICE Cybersecurity Career Awareness Week. This opportunity is for college students, faculty members, and cybersecurity professionals. More information can be found at this link: <https://www.trendmicro.com/internet-safety/university/events/2021-summit>

**Purdue University Virtual Security Symposium:** On October 19th and 20th the 22nd Purdue University CE-RIAS Annual Security Symposium will be held virtually. The events will be held as close to the original format as possible given the circumstances. To learn more or to register use this link: <https://www.cerias.purdue.edu/site/symposium/>

## Some Hair-Raising and Nail-Biting Cyber Facts!



Source: <https://www.pinterest.es/pin/406027722631079051/>

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