



## *New York Celebration of Women in Computing*

*Promoting the Academic, Social, and Professional Growth  
of Technical Women in Upstate New York*

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**APRIL 8-9, 2022**

*Lake George, NY*

# Friday, April 8

- 10:00am-6:00pm** Registration (*Foyer*)
- 12:00-2:00pm** Boxed Lunch
- 12:00-12:45pm**
- & 1:00-1:45pm** ● Workshops (each workshop runs twice):
  - \*Learning Public Speaking: The Importance of Support and Practice (*Lake George North*)
  - \*Cloud Native Development Workshop (*Lake George South*)
  - \*Résumé Critique (*Village Blacksmith Bar and Lounge*)
- 2:00-4:00pm** Career and Graduate School Fair (*Albany Room and Fort Edward Room*)
- 4:30-5:30pm** ● Breakout Session 1
  - \*Research Talk: Implementations of Quantum Algorithms to Isolate DDoS Hive Plot Attacks (*Lake George North*)
  - \*Panel: Thinking About Graduate School? (*Lake George South*)
  - \*Birds of a Feather: What Inspired You to Get Into Tech? (*Long Lake*)
- 6:00-6:30pm** Welcome and Dinner (*Lake George Room*)
- 6:30-7:30pm** ● Keynote Speaker: Melissa Lee (*Lake George Room*)
- 8:00-8:45pm** ● Breakout Session 2: First Timer Research Talks
  - \*Using a Computational Model to Simulate Chimeric Antigen Receptor (CAR) T-Cell Therapy in Triple-Negative Breast Cancer with Binary Distribution of Antigen Receptors (*Lake George North*)
  - \*Code QUAVER: Music Generation From Computer Code Using Deep Learning (*Lake George South*)
  - \*Biometrics and Cyber Crimes (*Long Lake*)
  - \*Birds of a Feather: Ethics in Tech (*Tupper Lake*)
- 9:00-9:45pm** ● Breakout Session 3
  - \*Research Talk: Covid on Campus: Simulating the Testing and Testing the Simulation (*Lake George North*)
  - \*Research Talk: Covert Message Channels and Master Spoof DoS Attacks on IEEE Precision Time Protocol (PTPv2) with TimeMaster (*Lake George South*)
  - \*Panel: My Job is So Cool (*Long Lake*)
  - \*Birds of a Feather: Male Allies (*Tupper Lake*)
- 10:00pm-12:00am** Game Design Challenge with Blizzard Entertainment (*White Lion Room*)

# Saturday, April 9

- 7:30-8:30am** Breakfast (*Lake George Room*)
- 8:30-9:30am** ● Keynote Speaker: Lucy E. Dunne (*Lake George Room*)
- 9:30-10:00am** Hotel Room Checkout by 11 am
- 10:00-11:00am** ● Poster Session (*Albany Room and Fort Edward Room*)
- 11:15am-12:00pm** ● Breakout Session 4
  - \*Research Talk: Network-Agnostic Programming with Allium (*Lake George North*)
  - \*Workshop: How to Manage Your Career Wellbeing and Avoid Burnout (*Lake George South*)
  - \*Research Talk: Frontiers in Data Privacy and Tech Ethics (*Long Lake*)
  - \*Talk: Ethics and Tech: An Introduction (*Tupper Lake*)
- 12:30-1:30pm** Lunch with Closing and Awards

## Welcome!

Wow! It's been a long time since we've been together physically and we are so happy to be back. It has also been a rough time for most of us, so please take a minute to reflect on the journey and find a nugget or two of good that has come from it. One of my lessons learned is to very much appreciate the people around me and the opportunities we have when we have them as we never know when that will be taken away from us. I am so grateful for the organizing team and for the opportunity to share--in person--"the magic of NYCWiC" with all of you.

Most academic conferences have what we have here. There are keynotes and research talks and poster presentations. But there is also something very special about the transformative power of joining women, male allies, and advocates identifying along a rich spectrum of gender expression, to support, advocate and empower women. And layer on top of that how much more special it is for this to be the first academic conference off campus for most of the attendees. We are so happy that you have this opportunity to experience an academic conference in your area, with the most supportive group you could imagine.

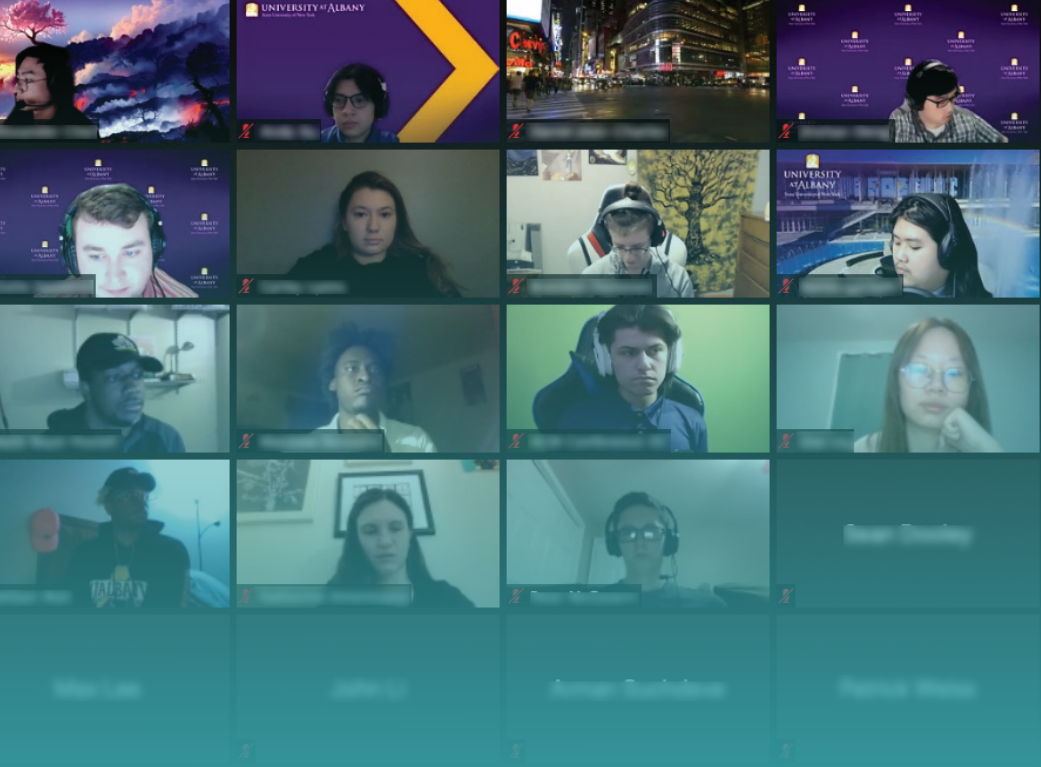
This is a conference and you will learn something. Browse through the program to learn more about the talks and posters and workshops and all the other planned out sessions--they will be amazing. But there's more to being part of our community--all the people who are here. Some have been here before and some haven't. Some are from high school, through college, into graduate school and some are industry leaders. We're all at different points on our journey and that's what is so cool about NYCWiC--despite that, we all still want to build the most supportive community and make our field better for the diversity we *each* bring to it. Thank you for bringing who you are to both NYCWiC and the technology innovation field.

**Jennifer Goodall, Ph.D.**  
General Chair  
NYCWiC 2022

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*“Life doesn't always present you with the perfect opportunity at the perfect time. Opportunities come when you least expect them, or when you're not ready for them... Opportunities, the good ones... are hard to recognize. They're risky. They challenge you.”*

— Susan Wojcicki



# KEYNOTES



## Friday Keynote

### 6:30-7:30pm

**Melissa Lee**  
*Data Analyst, Blizzard Entertainment*

Melissa Lee is driven by truth seeking, a worldview ingrained at an early age by watching too many episodes of The X-Files and manifested in a 14 year career in human genetics culminating in a PhD from Johns Hopkins University. Her career took an unexpected turn in 2016 when she joined Blizzard Entertainment as a data analyst. She now enjoys flexing her soft skills to compliment her technical prowess to help guide game development in player-focused and sustainable business directions, first on Hearthstone and most recently on Diablo IV. As a half-Chinese and half-French Canadian woman who has spent her life in fields and hobbies dominated by men, Melissa has become a passionate advocate for DE&I at Blizzard, leading a grassroots council on her team and helping other teams lead their own grassroots initiatives.



## Saturday Keynote

### 8:30-9:30am

**Lucy E. Dunne**  
*Professor, University of Minnesota*

Lucy E. Dunne is a Professor at the University of Minnesota, where she directs the Apparel Design program and is the founder and co-director of the Wearable Technology Lab. She is a co-author (with Susan Watkins) of “Functional Apparel Design: From Sportswear to Space Suits” (Bloomsbury, 2015), and her academic background includes degrees in Apparel Design (Cornell University, BS and MA), Electronic Engineering (Tompkins-Cortland Community College, AAS), and Computer Science (University College Dublin, PhD). Her research is focused on pursuing the vision of scalable, wearable garment-integrated technology, and explores new functionality in apparel, human-device interface, production and manufacture, and human factors of wearable products. Dr. Dunne has received the National Science Foundation’s CAREER award and the NASA Silver Achievement Medal for her work with functional clothing and wearable technology.



# WORKSHOPS



## Workshops, Friday | 2:00-12:45pm & 1:00-1:45pm

(each workshop runs twice)

### (Tupper Lake)

#### Learning Public Speaking: The Importance of Support and Practice

*Chris Lastovicka, Web Designer, Cornell University College of Engineering*

In this fun workshop, we will explore ourselves and our relationship to speaking. Through hands-on practice sessions, we will learn how to embark on the amazing journey of developing our public speaking skills. We'll be a supportive laboratory for each other as we explore active listening and feedback techniques. By the end of the workshop, you will feel more knowledgeable about how to continue this practice so that you can share more of your voice, and your ideas, with the world.

### (Lake George South)

#### Cloud Native Development Workshop

*Mark Abrams, Field Engineer, SUSE*

Learn the fundamentals of using containers to build cloud native applications. This workshop provides a hands-on activity with some of the tools of the trade in Linux, container runtimes and Kubernetes. The workshop will provide resources in the cloud so that you can learn in a browser based environment. Join SUSE Field Engineer, Mark Abrams to experience the basics of cloud native development.

**Note: attendees must bring a computer to get on a web browser. A phone will not work.**

### (Village Blacksmith Bar and Lounge)

#### Résumé Critique

This session allows students from all years who are seeking professional feedback on their resume to speak with an employer representative. Students can take advantage of this opportunity to share their resume with professionals and receive valuable advice on how to highlight their skills and experience to get noticed by employers.



# BREAKOUT SESSIONS





# Breakout Session I, Friday 4:30-5:30pm

(Lake George North)

## Research Talk

### Implementations of Quantum Algorithms to Isolate DDoS Hive Plot Attacks

**Casimer DeCusatis**, Professor, Cybersecurity, Marist College  
**Meghan O'Loughlin**, Undergraduate Student, Marist College

The limits of conventional digital computing for solving NP-hard, exponential execution time problems are well known, and have motivated the development of practical quantum computers such as the IBM Q System One. In this paper, we present a near-term implementation of the Variational Quantum Eigensolver (VQE) equation using Qiskit to determine the MaxCut of an undirected graph. Potential applications of this program include real time analysis of cybersecurity attacks which isolates malicious network traffic (such as DDoS attacks) from normal traffic. Our results demonstrate the feasibility of this approach, and the efficiencies achieved by applying quantum computers to this problem in comparison to conventional computing.

(Lake George South)

## Panel

### Thinking About Graduate School?

**Jesse Parent**, Project Information Manager & Research Associate at HealthTech R&D;  
Assistant Scientist & Lab Manager, Orthogonal Research & Education Lab

**Marilyn Zeppetelli**, Professional Lecturer and Director, Enterprise Computing  
Education at Marist College

**Jess Wenger**, Manager of Graduate Study, College of Emergency Preparedness,  
Homeland Security and Cybersecurity, University at Albany

**Dr. Mary Villani**, Associate Professor, SWiC Co-Advisor, Farmingdale State College

**MODERATOR: Cathy Martensen**, Teaching Associate, School of Computer Science  
and Mathematics, Director, Technology Literacy at Marist College

What is grad school like? Why should I go to grad school? How do I get into grad school? Panelists will use their own experience to help any questions that students might have about applying and attending graduate school.

(Long Lake)

## Birds of a Feather

### What Inspired You to Get Into Tech?

**Taylor Pierce**, Undergraduate Student, University at Albany

**Maya Niznikiewicz**, Undergraduate Student, University at Albany

Birds of a Feather sessions provide a space for people who share common experiences and goals. In this session the moderators will lead a conversation about what inspired each of us to get into tech.

# Breakout Session 2, Friday 8:00-8:45pm

(Lake George North)

## First Timers Research Talk

**Using a Computational Model to Simulate Chimeric Antigen Receptor (CAR) T-Cell Therapy in Triple-Negative Breast Cancer with Binary Distribution of Antigen Receptors**

*Kerri-Ann Norton, Assistant Professor, Computer Science, Bard College*

*Tina Giorgadze, Undergraduate Student, Bard College*

Chimeric Antigen Receptor (CAR) T-cell therapy is a new cancer immunotherapy that includes genetically modifying a patient's T-cells. In this research, we expand upon a previous 3D computational model of Triple-Negative Breast Cancer (TNBC) to incorporate CAR T-cell therapy looking at different antigen distributions to study the treatment's effectiveness.

(Lake George South)

## First Timers Research Talk

**Code QUAVER: Music generation from computer code using deep learning**

*Mushfika Sharmin Rahman, Graduate Student, Baylor University*

*Sadia Nasrin Tisha, Graduate Student, Baylor University*

*Minakshi Debnath, Graduate Student, Baylor University*

*Maisha Binte Rashid, Graduate Student, Baylor University*

*Pablo Rivas, Assistant Professor, Computer Science, Baylor University*

This research represents a way of producing music from unstructured data that is source code. A deep learning-based model was utilized to generate music. The input of the model will be snippets of source code written in a high-level programming language, and the output will be piano music. The research aims to find a way to measure the aesthetic of produced music and make use of fractal dimension to measure beauty. To generate music the project makes use of deep learning techniques. Our research experimented with two architectures LSTM architecture and a WaveNet architecture. The calculation of the fractal dimension of the source codes utilizes Block Artefact Method to observe how beautiful the code is through music. This combination of unstructured data and music could be a simple yet interesting solution to perceive the beauty of written code.

(Long Lake)

## First Timers Research Talk

**Biometrics and Cyber Crimes**

*Faaza Naeem, Undergraduate Student, Farmingdale State College*

*Lisa M. Cullington, Associate Director of RAM Program, Farmingdale State College*

Given the current face of the world, crimes through technology are on the rise. This proposal has been constructed to discuss the importance of biometrics for college students and their technological lives. The question asked is: "How effective are biometrics in protecting students at Farmingdale State College from cyber crimes?"

(Tupper Lake)

## Birds of a Feather

### Birds of a Feather: Ethics in Tech

*Jacob Langworthy, Programmer, Velan Studios*

Birds of a Feather sessions provide a space for people who share common experiences and goals. In this session the moderator will lead a conversation about things to consider when thinking about ethics and technology.

## Breakout Session 3, Friday 9:00-9:45pm

(Lake George North)

## Research Talk

### Covid on Campus: Simulating the Testing and Testing the Simulation

*Hope Neveux, Undergraduate Student, Marist College*

*Alan G. Labouseur, Associate Professor, Computer Science, Marist College*

The Covid-19 pandemic presented a vast array of challenges, one of which was efficient and widespread testing of large populations. In this talk, we detail our techniques for simulating pooled testing protocols to predict the number of tests needed and we discuss enhancing our simulation to improve accuracy.

(Lake George South)

## Research Talk

### Covert message channels and Master Spoof DoS attacks on IEEE Precision Time Protocol (PTPv2) with TimeMaster

*Luke Jacobs and Casimer DeCusatis, Marist College*

*Greg Lacey, IBM-Marist Program Manager*

*Paul Wojciak, Clay Kaiser, and Steve Guendert, IBM*

The IEEE 1588 PTP standard is a follow-on to the well-known Network Time Protocol (NTP), providing higher accuracy (nanosecond or better) synchronized data center clock signals. In this paper, we investigate new forms of covert message channels and related security vulnerabilities which can be used to destabilize PTPv2 timing networks. Using test beds at IBM Poughkeepsie and Marist College, we demonstrate two covert channels for PTP, using the `delay_request` field and `sync_followup` field in the packet header. We show how these fields can be exploited to provide low data rate exfiltration channels from PTP servers. We then demonstrate two new vulnerabilities and example cyberattack exploits against PTP. First, a man-in-the-middle packet injection attack against the correction field header allows us to introduce large timing offsets into the PTP slave clocks. Second, a variation of the previously demonstrated Master Spoof DoS attack, or clock frequency attack, allows us to directly affect the clock servo frequency. We then implement TimeMaster with Chronyd in our testbed, running PTP and NTP simultaneously, and demonstrate that the timing network is still vulnerable to the Master Spoof attack and covert channel exfiltration. We discuss possible future mitigations and directions for ongoing research.

(Long Lake)

## Panel

### My Job is So Cool

**Andrea Willcockson**, Associate Animator, In-Game Cinematics at Blizzard Entertainment

**Jessie Zwigenthal**, Director of Employee Engagement, Jahnel Group

**Quinn Miller**, Associate Producer, Velan Studios

**Monique Wade**, Campus & Entry-Level Recruiter, PwC

**MODERATOR: Steve Derrick**, Director, Organizational Development at  
Blizzard Entertainment

Folks working in different computing-related roles will explain why their jobs are so cool and talk about the career paths that led them to their current positions. Come to this panel to get a glimpse of the variety of computing careers and career paths.

(Tupper Lake)

## Birds of a Feather

### Male Allies

**Jesse Parent**, Assistant Scientist, Orthogonal Research & Education Laboratory

Birds of a Feather sessions provide a space for people who share common experiences and goals. In this session, the moderator will lead a conversation about what it means to be a male ally. We encourage attendees to come and share their experiences.

## Breakout Session 4, Saturday 11:15-12:00pm

(Lake George North)

## Research Talk

### Network-Agnostic Programming with Allium

**Daniel Yost**, Undergraduate Student, Marist College

Allium aims to be the world's first "network-agnostic" programming system. Using Allium, a developer can write code that works across multiple platforms and devices simultaneously, all without touching any network code. This allows developers to focus on functionality, while automation handles all security concerns.

(Lake George South)

## Workshop

### How to manage your career wellbeing and avoid burnout

**Cathy Parker**, Associate Director, Office of Career and Professional Development,  
University at Albany

Being engaged with your work is a good thing. It usually means you are doing work that is challenging and interesting. When we engage with work but ignore our wellbeing, we can overdo it and start feeling burned out. This session will talk about career wellbeing and how it ties into your overall wellbeing. Specifically, we will discuss setting reasonable boundaries in the workplace earlier.

(Long Lake)

## Research Talk

### Frontiers in Data Privacy and Tech Ethics

**Jesse Parent**, Assistant Scientist, Orthogonal Research & Education Laboratory, (USA)

**Krishna Katyal**, Undergraduate Student, Shri Mata Vaishno Devi University,  
(Katra, Jammu and Kashmir)

**Erin Higgs**, B.S., University of Nevada-Reno, (USA)

**Minh Tran**, Associate Researcher, Orthogonal Research & Education Laboratory, (USA)

**A.R. Oidas, M.S.**, Columbia University (USA)

**Daniela Cialfi**, Post-Doc, University of Chieti-Pescara, (Italy)

**Bradly Alicea**, Head Scientist, Orthogonal Research & Education Laboratory (USA)

As mediums for human experience become increasingly technologically centered, the role of data and its associated security and ethical handling becomes increasingly influential. We present a number of different projects in our lab via the lens of frontiers of data privacy and technology ethics: what are critical areas of challenge and opportunity? A centerpiece of our recent work has been in investigating the applicability and novel mitigation strategies afforded by data trusts - structures wherein a board of trustees takes responsibility for the data associated with its beneficiaries. How, and when, should data trusts be enacted? A counterpart to data management is the ethics behind data use, aggregation, collection, and evaluation. "Bias in AI", or "AI Ethics", are significant concepts - but what are the battlegrounds these concerns play out on? We examine the role of causal inference modeling, mechanism design, and consider key domains like hiring technology and norms in academic discourse. Combined with the context of major recent events in the ethics of Big Tech, we provide pathways for future research in the realm of technology, society, and the data which permeates life in the 21st century.

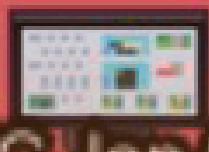
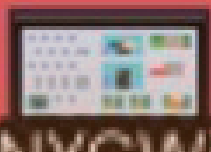
(Tupper Lake)

## Talk

### Ethics and Tech: An Introduction

**Chiara Shah**, Math and Comp Sci Instructor, Emma Willard School

Ethical use of technology is often an afterthought. As a result, we struggle to understand privacy, intellectual property rights, and the growing influence of social media in our lives. Both creators and consumers of tech need a basic understanding of ethics to help inform our decisions. This session will introduce some important ethical dilemmas in the use of recently developed technology.



NYCWIC Jen (she/her)



# POSTER SESSION

## IgniteCS Project

IgniteCS started an initiative called IgniteCS in which they provided funding to groups who developed programs to guide the passion for CS in young students, particularly women.

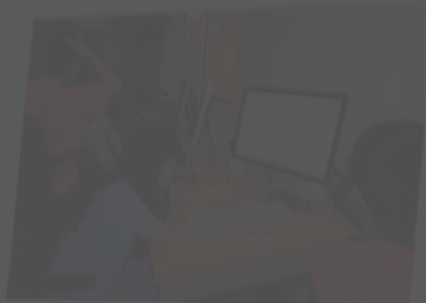


Figure 3. Students programming their NYC relationships using IgniteCS.

## Our Pro

We use platform to and Social- expanded workshop a students to interface to



# Poster Session, Saturday 10:00-11:00am

(Albany Room and Ft. Edward Room)

## Using a Computational Model to Simulate Chimeric Antigen Receptor (CAR) T-Cell Therapy in Triple-Negative Breast Cancer with Binary Distribution of Antigen Receptors

**Kerri-Ann Norton**, Assistant Professor, Computer Science, Bard College

**Tina Giorgadze**, Undergraduate Student, Bard College

Chimeric Antigen Receptor (CAR) T-cell therapy is a new cancer immunotherapy that includes genetically modifying a patient's T-cells. In this research, we expand upon a previous 3D computational model of Triple-Negative Breast Cancer (TNBC) to incorporate CAR T-cell therapy looking at different antigen distributions to study the treatment's effectiveness.

## Developing an Accessible Website for Information on Mutual Aid Societies

**Jocelyn Chan**, Undergraduate Student, Informatics, University at Albany

**Zach Taylor**, Undergraduate Student, Informatics, University at Albany

**Katherine Amoresano**, Undergraduate Student, Informatics, University at Albany

**Amanda Hunter**, Alumni, Albany Law School

**Norman Gervais**, Professor of Practice, College of Emergency Preparedness, Homeland Security and Cybersecurity, University at Albany

**Christopher Velez**, Adjunct Professor, College of Emergency Preparedness, Homeland Security and Cybersecurity, University at Albany

**Ray Brescia**, Hon. Harold R. Tyler Chair in Law and Technology and Professor of Law, Albany Law School

With the goal to raise awareness of Mutual Aid Societies in the New York State Capital Region and to help those who were impacted by the COVID-19 pandemic, we were able to research and create an accessible website that can greatly benefit those in need.

## A Model to Predict Racial Arrests in The City of Albany New York Based on Demographics

**Yvonne Dadson**, Graduate Student, College of Emergency Preparedness, Homeland Security and Cybersecurity, University at Albany

**Alice Ottah**, Graduate Student, College of Emergency Preparedness, Homeland Security and Cybersecurity, University at Albany

Racial discrimination remains a critical issue; hence, a logistic regression model is used to predict racial arrests based on demographics. After analyzing the arrest data of Albany PD, the likelihood of a white male between 18 and 25 years arrested in a predominantly white neighborhood is significantly less than black.

## The Interdisciplinary Nature of Cybersecurity: Insights from Cyber 9/12 Strategy Challenge Experience

**Brianna Bace**, Undergraduate Student, University at Albany

**Unal Tatar**, Assistant Professor, College of Emergency Preparedness, Homeland Security and Cybersecurity, University at Albany

**David Turetsky**, Professor of Practice, College of Emergency Preparedness, Homeland Security and Cybersecurity, University at Albany

It is increasingly apparent that we must think of cybersecurity as a field requiring many disciplines to secure our systems. This presentation discusses how Cyber 9/12 and similar games and competitions can help students develop the skills to handle cyber threats and risk from an interdisciplinary perspective.

## IBM'S Verify Credentials with Marist Ticket Services

*Emily Saviano, Undergraduate Student, Marist College*

*Charles Brenckle, Undergraduate Student, Marist College*

IBM's Verify Credentials is an offering suite for the lifecycle management of digital credentials within a decentralized identity ecosystem. Students at Marist College are using this technology in their revamped ticket service website, which the students recently created using a PERN stack. Using API calls from IBM's openssi-websdk, the students are implementing the verify Credentials technology to give the option of a digital student ID rather than a physical one. The new student IDs will be stored using Blockchain technology linked to Hyper-Ledger Indy, giving safe and secure credentials the student can use on campus. Using these digital IDs can expedite the ticket sale process for student activities. Marist will say farewell to long lines as the upcoming checkout will be as simple as scanning a QR code with your phone.

## GANs and TL: Is the Combination Better than the Sum of its Parts?

*Kruttika Sutrave, Graduate Student, Dakota State University*

*David Zeng, Assistant Professor, Dakota State University*

*Rajesh Godasu, Graduate Student, Dakota State University*

While novel AI/ML-based systems are being developed by researchers in the healthcare domain, it is unclear how effective they are for real-world adoption. Hence, it is critical to analyze these systems for their long-term impact. We review the emerging literature on the intersection of GANs and TL in medical image analysis to identify various approaches for blending them to improve DL-based systems. Furthermore, we evaluate the included studies based on Generalizability and Scalability. We established various research trends and discovered three broad approaches to combine GAN and TL. Also, we found that simpler combinations have a higher potential for real-world adoption.

## Code QUAVER: Music generation from computer code using deep learning

*Mushfika Sharmin Rahman, Graduate Student, Baylor University*

*Sadia Nasrin Tisha, Graduate Student, Baylor University*

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## Data Center Management: ECRL Infrastructure, Servers, and Software

*Colin MacDonald, Undergraduate Student, Marist College*

*Fauziah Ibrahim, Undergraduate Student, Marist College*

The Enterprise Computing Research Laboratory at Marist College provides support and resources for Marist/IBM Joint Study research projects. The machines in the data center are also used by faculty and students for hands-on coursework. Managing and maintaining server resources for numerous different stakeholders is a challenging endeavor. We will show some of the work that we do regularly, as well as the tools that make it possible.

## Impact of Different User Interfaces on User Experience Using Extended Reality in Education

**Sindhu Padaga**, Undergraduate Student, Farmingdale State College

**Samantha Broda**, Undergraduate Student, Farmingdale State College

**Moaath Alrajab**, Assistant Professor, Farmingdale State College

Extended Reality, XR, creates the platform to oblige this limitation. Integrating our designed User Interface (UI), XR, and an existing open-source project, we created an original artifact to examine how different UI structures impact User Experience within educational applications. Our presentation demonstrates the results of the experiment we carried out.

## Assessment of Xenobots in terms of a new algorithm-based life form

**Ayse Serra Sonmez**, Undergraduate Student, Bard College

The purpose of the current analysis is to compare the potential types of biological age predictors in order to provide a glance at new perspectives of further understanding of what contributes to healthy aging. Telomere length is a popular marker of biological aging and women on average have longer telomeres than men. Hence, women have a lower biological age than men as judged from the telomere lengths, which is in accordance with measures of the DNAmAge. There are correlations between their transcriptomic predictor and Horvath's and Hannum's epigenetic clocks in two of the cohorts. Unfortunately, instead of using pre-defined age predictors, multiple single markers were inferred in the models, making comparisons to earlier studies and interpretations difficult. Although further analysis, which is currently being conducted, will find larger samples about the combination of markers in terms of relation with predictive power. Overall, all these models provide additional evidence on aging independent of chronological age, and they are all successful at predicting health outcomes such as physical function, cognition, and morbidity, and mortality.

## Trials and Triumphs of Supporting Women in Computing Club Returning to Campus Post-COVID19

**Christine LoFaso**, Undergraduate Student, SWiC Co-Secretary

**Sindhu Padaga**, Undergraduate Student, SWiC Founding and Current Co-President

**Samantha Broda**, Undergraduate Student, SWiC Vice-President

**Salma Abdeltawab**, Undergraduate Student, SWiC Co-President

**Amna Sajid**, Undergraduate Student, SWiC Co-Secretary

**Mary Villani**, Associate Professor, SWiC Co-Advisor

**Ilknur Aydin**, Associate Professor, SWiC Co-Advisor

Despite reinstating SWiC during the pandemic, dedicated student leaders and faculty mentors held the club together in the journey of capitalizing opportunities, overcoming challenges, and achieving milestones. Transitioning from remote to hybrid meetings presented challenges though notable member attendance was a remarkable success giving hope for a bright future.

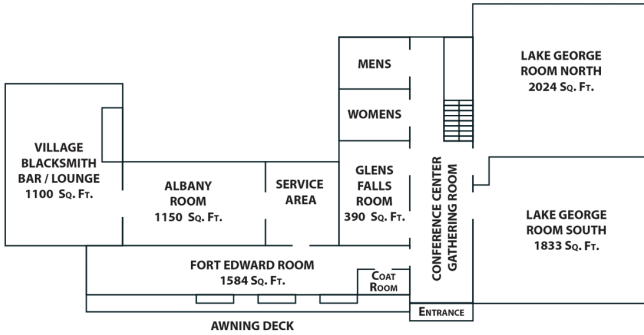


# FORT WILLIAM HENRY

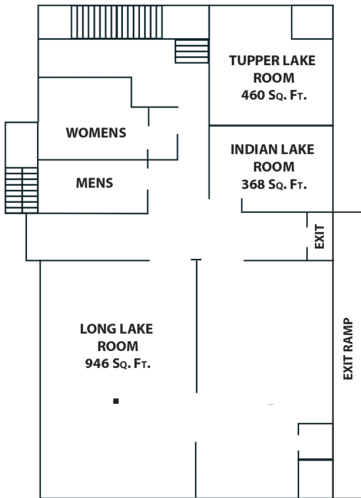
HOTEL AND CONFERENCE CENTER

48 Canada St,  
Lake George, NY 12845  
Phone: (518) 668-3081

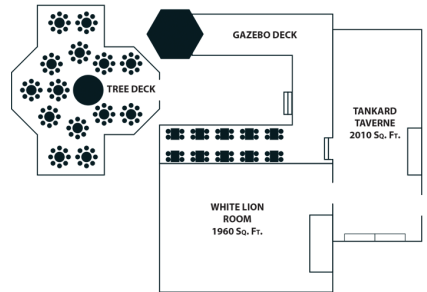
## CONFERENCE CENTER MAIN FLOOR



## CONFERENCE CENTER LOWER FLOOR



## WHITE LION, TANKARD TAVERNE AND TOWERS HALL



## ORGANIZING COMMITTEE

*Jennifer Goodall, University at Albany*  
*Caroline Buinicky, Emma Willard School*  
*Steve Derrick, Blizzard Entertainment*  
*Pablo Rivas, Baylor University*  
*Chris McEvoy, Velan Studios*  
*Jacob Langworthy, Velan Studios*  
*Catherine Parker, University at Albany*  
*Cynthia Worrard, Marist College*  
*Mollie August, Jahnel Group, Inc.*  
*Chris Lastovicka, Cornell University*  
*Valerie Fullarton, University at Albany*

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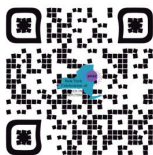
## SPECIAL THANKS

*Thomas Wysocki, Fort William Henry*  
*Amoreena O'Bryon, Graphic Design*

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## CONNECT WITH NYCWiC

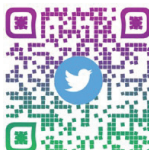
[www.nycwic.org](http://www.nycwic.org)



Facebook



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**One new thing I learned:**

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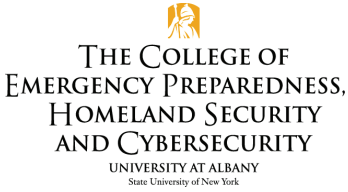




Blank lined area for writing notes.

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