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Collen

Teaching in the Challenging Times of a Covid-19 Pandemic

Hazem Farra joined the Department of Information Systems at SCSU in the fall of 2019, a few months before the COVID-19 outbreak. Farra graduated from SCSU with a Master of Science degree in Information Assurance. He previously worked as a software engineer at a local financial debt management company.

When the state of Minnesota and the whole country came to a complete lock down, Farra had to adapt to new teaching methodologies in response to the needs of the time.

He intensified his studies in pedagogy for teaching virtually in order to address the main challenges of conveying curriculums in engaging and stimulating ways. For instance, Farra completed a Professional Certificate in Online Education (PCOE), which trained him, among other things, on how to identify attainable objectives for any given lesson, as a crucial step to delivering materials. He also attended several webinars and training sessions related to transforming classes for online teaching.

Farra shares that even though he is teaching IT, technology was not always his friend this past year. For instance, utilizing platforms such as Zoom can present many challenges. On one occasion, the computer he was using to deliver the lecture crashed suddenly, and he had to immediately communicate over his phone to maintain continuity of the class and deliver the same presentation and concepts over a mobile platform (smaller viewport). This may sound like a simple problem, but nothing is simple when 22 people are waiting to understand what happened to their professor.

Going from the classroom to virtual settings meant that professors lost ability to see people's facial expressions, from nods of understanding to puzzled faces, which help instructors "read the room", and decide if gears need to be changed. When it comes to technology topics, not all curriculum is conducive to discussions. That poses another challenge in finding ways to engage and incentivize participation. Nevertheless, Farra keeps in mind that long-term memory and retention depends greatly on being able to engage with the topic. It is an ongoing goal for him to find ways to virtually deliver the content with the tools provided, as well as videos and online resources that serve him as aids in the learning process.

Teaching in the time of COVID has not been an easy task, but it has opened his eyes to a wide array of teaching methodologies that call for creativity and determination. Farra continues to be interested in his formal subject of education, Information Assurance, but he is particularly interested in information systems education within the virtual environment and more specifically asynchronous modalities.

His research interests are in Social Engineering Attack, Data Analytics in Network Security, and Web Applications Development and Security. Farra's areas of teaching are: Application Program Development (IS 250), Management Information Systems (IS 340), Database Management (IS 443/543), IT Infrastructure (IS 451/551), and Decision Support System (IS 454/554).

Guest Speaker Virtual Presentations Spring 2021

Guest Speaker	Company
Justin Hall	Stearns Bank
Kurt Kapsner	Blattner Energy
Matt Juelich	Ameriprise Financial
Nick VanVleet	Blattner Energy
Sue Hauge	St. Paul Metropolitan Council
Nicole Helgeson	WSB Engineering
Renee Huset	St. Paul Regional Water Services
Megan Larkins	FR Secure
April Ryan	Short Elliott Hendrickson Inc.
Michelle Stockness	Barr Engineering
Lisa Foss	St. Cloud State University

Inside this edition

Farewell to Professor Dr. Dien Phan

Dr. Dien Phan joined the Business Computer Information Systems Department (now Information Systems) at St. Cloud State University in 1991. Before joining SCSU, Phan worked at IBM's Distributed Data Management Architecture group in Rochester, Minnesota. During the year's 2000-2002, he was nominated and served as the Nicole Maria Stata Professor at the School of Business, University of Vermont. After two years as the endowed chair, Phan returned to SCSU and taught various courses including E-commerce, SAP Enterprise Systems, and Project Management. His 2002 article, "E-business development for competitive advantages: a case study", was cited as the Top Most Downloaded Papers in the Information & Management Journal from the period of September 2002 to April 2004. By 2010, Phan joined the St. Cloud Chapter of the Project Management Institute's (PMI) educational outreach as a faculty advisor. He helped with the training for recertification of Project Management professionals and prepared students for project management certifications. SCSU partners with the PMI industry to issue Project Management Student Award Certificates to students who complete the Project Management course and attend two PMI training seminars. After 30 years of service at SCSU, Phan will retire at end of May 2021.

Grants Received for Installing the Department's First Digital Forensic Lab

This past fall, Dr. Mark Schmidt and Erich Rice, from the Department of Information Systems received a grant through the Department of Defense (DoD) and the National Security Agency (NSA) for over $316,000. The grant includes a component for the 2020 Cyber Scholarship Program (CySP), and is designed to recruit the nation's top cyber talent to the DoD and retain current cyber workers to secure our nation against the threats to information systems and computer networks. The CySP is available to both undergraduate juniors and seniors as well as graduate students in the Master of Science in Information Assurance program. If a student is awarded a scholarship, they receive both tuition for their program as well as a living stipend of $25,000 for undergraduates and $30,000 for graduate students. A new computer, books for courses and professional development funds for things such as travel to a security conference to present research is also provided.

Another portion of the grant was awarded to build the capacity of St. Cloud State University's digital computer forensics capabilities by creating a Digital Forensic Lab in Centennial Hall. The lab now includes six high-end Phantym-A forensic workstations fitted with Tableau write blockers as well as the necessary adapter kits to analyze a wide range of digital devices for evidence. The Tableau TX1 write blocker allows evidence to be gathered from digital storage devices, like a USB thumb drive or a solid state or magnetic hard disk drive, without changing the state of the original evidence. Once a "bit-by-bit" forensic copy of the evidence bearing drive has been made it can then be examined using the FTK (Forensic Toolkit) software from AccessData. This software allows a digital forensic examiner to parse the evidence on a drive looking for hidden data, or files that may have been manipulated or deleted. The six Phantym-A workstations can also be connected together to form a robust password cracking system using the Passware Kit Forensic software. This allows a forensic examiner the ability to recover a lost password or break a password for protected files or documents. An Airlite VIII i7 mobile forensic workstation will also be kept at SCSU and will be available for demonstrations in other classrooms on campus. It will also be used for outreach within the community including businesses and other educational or law enforcement institutions.

St. Cloud State University students who are interested in the Information Systems major or the CySP scholarship for the next academic year should reach out to Dr. Mark Schmidt, mark@stcloudstate.edu or Erich Rice, eprice@stcloudstate.edu.

Meet the New Faculty

Fahmy Jalani

Fahmy Jalani received his Master's of Science in Information Systems from Hawaii Pacific University (USA) in 2004 and Bachelor of Engineering in Electrical & Electronics (with Honors) from the University of Leicester (UK) in 1999. He was a scholar from the Economics Development Board (EDB) in Singapore. He is also currently pursuing his PhD.

Jalani was previously an instructor at Royal Melbourne Institute of Technology University in Australia. He is a trained and certified engineer and has work experiences in Forbes 2020 GLOBAL 2000 listed companies in Engineering, Aviation and Logistics sectors.

Jalani's areas of teaching are: Application Program Development (IS 250) & IS Strategy, Management and Acquisition (IS 450). He also taught IT Infrastructure (IS 451), Decision Support Systems (IS 454) & IS Innovation and New Technologies (IS 458).
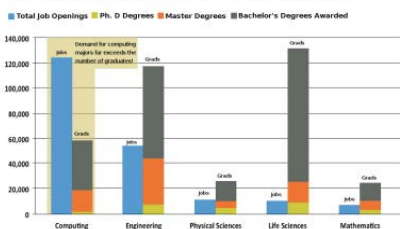
His research interests are: IT Entrepreneur, Cyber Security, Cognitive Cloud computing, Financial Engineering, Software Engineering, Digital Marketing, Data Analytics, Artificial Intelligence, Blockchain, Augmented & Virtual Reality, Angular & React, DevOps, Internet of Things (IoT), Intelligent Apps (I – Apps), Big Data and Robotic Process Automation (RPA).

Jalani holds various industrial certifications such as: Planning & Managing Projects, Airline Industry Course, Aircraft Systems Familiarization; 747-400, Auditors/Lead Auditors Training on Quality System ISO 9001, and Internal Auditors Training on Environmental Management System ISO 14001. His software knowledge also includes SABRE, Java, ORACLE, SQL, Python, Access, Visual Basic, Asp, C++, C, MS-Qbasic, Assemble Language, DCS, SCADA, PLC Programming, HTML, JavaScript and DHTML, SPSS, System Architecture, Rational Rose, AutoCAD, PCAD, Matlab and Visio Technical, also hardware skills Cisco Router & A+. Jalani also speaks French and Malay.

Stringline Video Shoot

This spring 2021, the Department of Information Systems organized a Stringline video shoot to promote the IS/IA program. Several faculty members and students participated in the video shoot to make it successful. Students shared their experiences and journeys while at SCSU, and how the high-quality education made them a more confident leader.

Cyber Security Awareness Week

I am Ravi Chandra Oruganti, and I am an international graduate student in the MSIA program. I am involved in various student organizations like CSIA and BSEC. I am the vice president for the BSEC – Business Student Executive Council and the secretary for CSIA – Cybersecurity Information Assurance club. Recently, I had the opportunity to be one of the main organizers for "Cybersecurity Awareness Week – Spring 2021". We did this event during the week of April 19-22, 2021. This successful event was offered both virtually and face-to-face in accordance with COVID protocols. The week's events included games related to cybersecurity, a Digital Forensics lab tour with Erich Rice and Dr. Mark Schmidt, and student research presentations on cybersecurity. On the final day, a seminar was held with a panel of women who are in the field of cybersecurity and engineering. This event was informative, and gave me a chance to work with Dr. Lynn Collen, Dr. Mark Schmidt, Dr. Jieyu Wang, Erich Rice, and Hazem Farra.

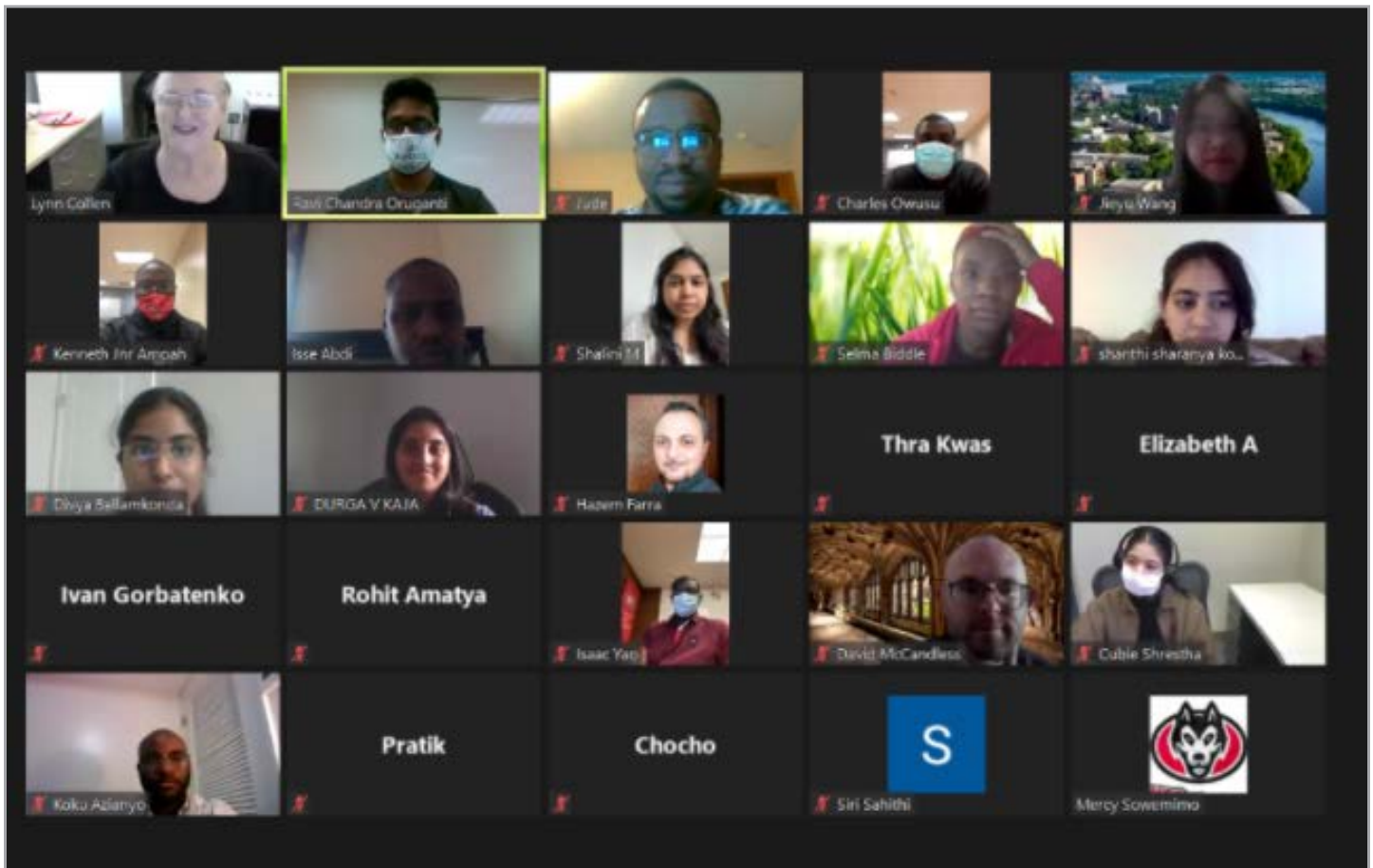# Today's Technology Opportunities for Women Leaders

"Kudos", "great topics", "thank you for the mentorship", "please, do this again" were a few of the comments Information Systems department Chair Dr. Lynn Collen heard regarding the spring CyberSecurity Awareness week (CSAW) activities.

CSAW week culminated on April 22nd with seven industry professionals presenting a four hour webinar on Today's Technology Opportunities for Women Leaders. SCSU Provost, Dr. Dan Gregory, extended a virtual welcome for Keynote presenters and attendees. SCSU Vice President for Planning & Engagement and Chief Strategy Officer, Dr. Lisa Foss started off the morning session with an engaging Keynote. Dr. Foss's Keynote address offered strategies for understanding personal styles and approaches of leaders.

Metropolitan Council Assistant CIO Sue Hauge, an SCSU Computer Science alum, provided an in-depth view of the evolving technology leadership environment. GIS web developer Nicole Helgeson shared her technical knowledge and insights regarding programming and maintaining cloud applications. Renee Huset, a GIS Analyst at St. Paul Regional Water Services, provided a look at mapping and data sharing applications. Megan Larkins took the audience through her journey to finding her passion and position as CISSP at FR Secure. April Ryan, PE with SEH, shared the leadership knowledge she gained while working as a project manager and engineer on different types of projects and project sites. Michelle Stockness, VP Barr Engineering, highlighted the importance of incorporating diverse perspectives when building teams, and the opportunity to advance diversity and inclusion across the workforce in Minnesota. Stockness used examples to illustrate the power of team diversity when addressing problems and generating solutions.

Collen thanked the presenters and students. Collen expressly thanked co-director Carol Kaszynski, for her work in organizing the webinar event presentations and for moderating this first Women in Leadership webinar. Kaszynski received many comments, including: "Please, do this again.", "Best morning!", and "Thank you for providing this opportunity." Due to the overwhelmingly positive comments, Kaszynski stated the next Women in Leadership seminar planning is underway for the fall. Watch your calendar.

Excellence in Leadership Award Recipients

Excellence in Leadership 2021 is the annual award that honors students who have demonstrated outstanding leadership at St. Cloud State University based on an evaluation of their academic commitment and leadership experiences. The 33rd banquet was held on April 18th in the Atwood Ballroom conducted by the Department of Campus involvement.

Emily Hacker

My name is Emily Hacker, and I am both an Information Systems major and Management major, and I was one of the recipients of the 2021 Excellence in Leaderships Award. On top of being an Excellence in Leadership Award recipient, I was also awarded the Dennis M. Thayer award. The Dennis M. Thayer award is given to the top scoring student in the Excellence in Leadership application process whose commitment to leading and serving others exemplifies the life of former St. Cloud State staff member Dennis Thayer, who was killed in an auto accident in 1995.

It was an honor to be a recipient of these awards, and it was great to have the banquet in person this year. Due to COVID, all 19 recipients and speakers sat by themselves at round tables spread 6 feet apart in the Atwood Ballroom. I can definitely say I've never had a dinner social experience like that before!

Looking forward, I will be starting an IT internship this summer with 3M, will be the President of the Business Student Executive Council (BSEC), President of the College Panhellenic Council, and starting a Greek Life Internship with the Department of Campus Involvement in the Fall. I am also looking forward to graduating in May 2022!

Yasmin Fatima

My name is Yasmin Fatima, and I am a graduate student in the Information Assurance program. It was a true honor and a humble experience for me to receive the Excellence in Leadership Award 2021. Coming to the United States and joining St. Cloud State University (SCSU) was definitely a cultural and environmental change for me. One of the things that I have learned over the past two years of my journey at SCSU is to learn and grow from the challenges and hurdles.

I always believe that leadership skills play an integral part in our success. During my journey at SCSU, I have received several acknowledgments from the faculty and fellow students for going above and beyond to help people. I have come across many opportunities at SCSU, where I have utilized my leadership skills.

My journey has made me a better person who is patient, reliable, hardworking, and believes in having a positive mental attitude. I am always available to help my SCSU community when in need, and I continue to contribute my efforts by motivating my peers during these tough times of a pandemic to succeed gracefully.

As I get closer to my graduation and start my professional life, I realize that I could not have come this far without the help of my acquired leadership skills and valuable knowledge I learned from my Professors.

Swarna Pulsuri

My name is Swarna Pulsuri, and I am currently pursuing a Master of Science in Information Assurance. I like to get involved in on-campus activities and volunteer at events that take place at the university or outside the campus. I strongly felt that I met all expectations which motivated me to apply for this award. I have a strong academic commitment with a GPA of 3.5 and various leadership skills that I gained through my workplace and campus involvement. I am currently working as a Graduate Assistant for the Information Systems department and as a Student Manager at Atwood Memorial Center. Before entering the university, I worked as a software engineer for two years. My past and current experiences have made me gain confidence and apply for the scholarship. The event was very successful, and I got a chance to thank the people around me who have supported me throughout my journey. This event has improved my confidence level, and I believe that everything is possible if you work hard. I am honored to be the recipient of the Excellence in Leadership Award 2021. In the future, I plan to utilize my leadership and technical skills in my career.

Pankaj Jairu

My name is Pankaj Jairu, and I am pursuing my Masters in Information Assurance. I am really honored to receive the Excellence in Leadership Award 2021.

Alumni Updates

My name is Sapana Bista, and I am a graduate student majoring in Information Assurance. I also work as a Graduate Assistant with the Information Systems department. As a proud student of St. Cloud State University (SCSU), I have tried my best to enhance the knowledge I already have. My determination to always be a step ahead in the learning curve has brought forth more opportunities than I can fathom, and I have always tried to deliver my full potential on those moments. My academic career took a leap when an email was shared by my department about SecurityPal. Joining Security Pal LLC as a Security Analyst intern, has been one of the most rewarding experiences I could have accumulated during my education. Getting to know individuals in this industry along with fellow students, has significantly contributed to my growth both as a professional and as a person.

The major experience that I obtained from my time working, has been observing and learning the dynamics of the professional world. This experience has also helped me complete my Masters' program with confidence and knowledge of my domain – pragmatically. With the immense support and compassion received from my mentors, I quickly got used to the workplace protocols of the company, and my confidence grew with each passing day. I am confident that I will continue to grow and develop in my domain in every possible way. With my Security Analyst internship there were two distinct learning experiences that stood out to me as my involvement with the company grew: communication with the team members and work-life balance. Throughout my internship, I had to balance my full-time work life while also putting up efforts towards my degree. Through the application of time management, organization and discipline, my work life management skills improved greatly. My communication skills improved every day as my work required me to cooperate and work efficiently in a team, communication being key.

I feel gratified to have come so far, looking back at my own growth and development. I would not have the knowledge and skills that I have acquired today if it were not for my internship experience and my supportive mentors. I am curious to see where my career will lead me in the future.

InfoSys Diaries

My name is Seeta Kumari, and I am from Larkana Sindh, Pakistan. Being the first generation college student from my family, and coming abroad, was a huge compliment and challenge. I came to St. Cloud State University (SCSU) with a dream to get a Masters's degree in Information Assurance (MSIA). I still remember the cold spring of 2019. It was a big challenge facing every day on my own. I began my journey by being upfront and started looking for jobs. I was so proud to get my first Graduate Assistantship as a Grant Analyst. It felt amazing.

As I go back in time to recall my first semester here at SCSU, with a background in Finance, I thought it would not be possible for me to pursue IA. I worried I would struggle with the many assignments, labs, programming languages, and software, but the faculty here made it possible and much easier to understand. They gave me extra time when I needed help. I received much great advice from my advisor, my professors, and the Department head. They are always there for me, whether it was getting me involved in the clubs, events, tutoring, or finding internships and jobs. I have worked for about two years in the Information System department as a Graduate Assistant. I have worked closely with the professors on many projects. The department has many technologies and equipment available for students. I was able to take advantage of skills gained using up-to-date computers, forensic labs, and more.

I have also been involved in the Information Systems club and served as a President in my last semester. The club's major goal is to train students for internships and jobs. I have met many representatives from big global companies as they share career opportunities. It was fascinating to hear that most of the IA students receive job offers before their graduation. I feel so honored that I am one of those students. I feel so proud to be a part of the Information Systems department, as a student and as an employee. I am so excited for every step ahead that comes my way. Thank you Information Systems and Information Assurance Department.

Job Forecast 2016-2026
U.S. Bureau of Labor Statistics Occupational Outlook Handbook, 2018

Job Title	2016 jobs	Forecast 2026	Growth 2016-26	Median Salary 17'
Information Security Analysts	100,000	128,000	28%	$95,510
Software Developers, Applications	1,256,200	1,558,700	24%	$103,560
Web Developers	162,900	187,335	15%	$67,990
Database Administrators	119,500	132,645	11%	$87,020
Computer Support specialists	835,300	927,183	11%	$52,810
Computer Systems Analyst	600,500	654,545	9%	$88,270
Network & Computer System Administrators	391,300	414,778	6%	$81,100

$9,332 Research Fund received from Jazan University, Saudi Arabia

Dr. Jieyu Wang

Dr. Jieyu Wang has collaborated with Dr. Abdullah Abu Hussein and Dr. Amani Alqarni to work on a project named "Develop a platform to improve STEM student's learning Experience using Virtual Reality." They have received a $9,332 research fund from Jazan University, Saudi Arabia.
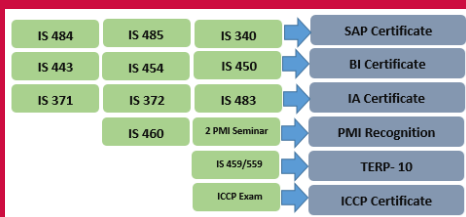
Educators rely on hiring programmers to create VR content, or they learn complex and time-consuming programming techniques in order to provide their students VR experiences. This can be a challenging, time-consuming, and daunting task for novice and even experienced educators. This project aims to provide educators a step-by-step graphical user interface to easily upload, edit and publish their own 360° videos.

Dr. Abdullah Abu Hussein

It allows STEM students to immerse into these 360° VR teaching videos to enhance their learning experience. The professors were granted $9,332 to work on this project. Currently they are having weekly meetings to work on it. They will publish a series of papers next year. By the end of next semester, the 360° VR platform prototype will be published. This work aims to increase educators' adoption of 360° VR content in education and improve learning outcomes. Educators and students are expected to benefit from this project to improve their teaching and learning experiences.

Earn 6 certificates while completing the IS degree

Recent Publications by Dr. Abdullah Abu Hussein

1. Al-Rousan, Suhaib, Abdullah Abuhussein, Faisal Alsubaei, Lynn Collen, and Sajjan Shiva. "Ads-Guard: Detecting Scammers in Online Classified Ads." In 2020 IEEE Symposium Series on Computational Intelligence (SSCI), pp. 1492-1498. IEEE, 2020.
2. Al Makdi, Khalid, Frederick T. Sheldon, and Abdullah Abu Hussein. "Trusted Security Model for IDS Using Deep Learning." In 2020 3rd International Conference on Signal Processing and Information Security (ICSPIS), pp. 1-4. IEEE, 2020
3. Mahfouz, Ahmed, Abdullah Abuhussein, Deepak Venugopal, and Sajjan Shiva. "Ensemble Classifiers for Network Intrusion Detection Using a Novel Network Attack Dataset." Future Internet 12, no. 11 (2020): 180.
4. Aleisa, M., Hussein, A. A., Alsubaei, F., & Sheldon, F. T. (2020, August). Performance Analysis of Two Cloud-Based IoT Implementations: Empirical Study. In 2020 7th IEEE International Conference on Cyber Security and Cloud Computing (CSCloud)/2020 6th IEEE International Conference on Edge Computing and Scalable Cloud (EdgeCom) (pp. 276-280). IEEE.
5. Al-Rousan, S., Abuhussein, A., Alsubaei, F., Kahveci, O., Farra, H., & Shiva, S. (2020, July). Social-Guard: Detecting Scammers in Online Dating. In 2020 IEEE International Conference on Electro Information Technology (EIT) (pp. 416-422). IEEE.
6. Mahfouz, A. M., Abuhussein, A., Venugopal, D., & Shiva, S. G. (2021). Network Intrusion Detection Model Using One-Class Support Vector Machine. In Advances in Machine Learning and Computational Intelligence (pp. 79-86). Springer, Singapore.
7. Aleisa, M. A., Abuhussein, A., & Sheldon, F. T. (2020). Access Control in Fog Computing: Challenges and Research Agenda. IEEE Access, 8, 83986-83999.
8. Albulayhi, K., Abuhussein, A., Alsubaei, F., & Sheldon, F. T. (2020, January). Fine-Grained Access Control in the Era of Cloud Computing: An Analytical Review. In 2020 10th Annual Computing and Communication Workshop and Conference (CCWC) (pp. 0748-0755). IEEE.

The National Society of Leadership and Success Experience

My name is Kenneth Amoah Junior, Ghanaian born, where I earned my bachelor's degree in Insurance from the University of Ghana. I am currently a graduate student in the MSIA program, and I also work as a Graduate Assistant in the Department of Information Systems. I serve as the IT coordinator for the The National Society of Leadership and Success (NSLS) SCSU Chapter after I was inducted into the society in Spring 2020. I was introduced to this leadership society by Dr. Lynn Collen, and I have had no regrets joining them. Biweekly we get to have guest speakers interact with us virtually at the national level, and listening to them really pushes me to be a better person every single day. The SCSU Chapter organized a social/community involvement event on April 27th, where we put together 100 succulents and presented them to veteran patients of the CentraCare Hospice.

My area of study may not be primarily humanitarian but when our community service chair brought this idea on board, I just loved it, as it was a way of showing love and appreciation to people we do not know, who may not have a chance at life as we have at the moment. And this I believe, is an integral part of community. Throughout my membership and leadership as an IT coordinator for the NSLS, I have developed my interrelation and communication skills massively, as I often communicate with members every now and then to help them set their short-term Specific, Measurable, Actionable, Rewarding, Time specific (SMART) goals. Being involved in this recent community event, has taught me lessons of togetherness, appreciating the efforts of others, and not living completely distant of others in our communities. I strive to be a better member, leader, and person in my community each day than I was the day before.

Congratulations!
Academic Excellence Awardees for Fall 2020

Information Systems
GPA 4.0

Pravesh Acharya
Folly Adamazan Teko
Hassan Alasker
Adow Ali
David Dale
Junu Dhakal
Tiffany Dickerson
Basmh Hani
Omar Hassan
Wesley Hendrickson
Kamana K C
Sudha Khadgi
Prerna Kumai
Thra Kwas
Nathan Maack
Shraddha Nakarmi
Abhishek Nanneboina
Akshyata Pal
Grishav Pokharel
Dorothee Sam
Michael Sorensen
Dipshikha Tamang
Koichiro Watari

Information Systems
GPA 3.5 or above

Faisal Abdi
Mohamed Abdi
Abdifatah Ali
Yasin Ali
Ahmad Almegdadi
Ange Alvarez
Usman Arshad
Koku Azianyo
Jingyi Bai
Ivan Bayingana
Enzo Bellettini Vera
Dillon Bienusa
Pappu Chaudhary
Sunny Chawla
Arya Dahal
Connor Denny
Shikha Dhakal
Arthur Diaz
Manish Ghimire
Jagat Golay
Emily Hacker
Kassim Harun
Bunnawin Heng
John Hengen
Tyler Hinnenkamp
Lucas Huseby
Abshir Ibrahim
Aden Issack
Muhammad Hassan Jahangir
Caitlin Jordan

Ritika K C
Yelani Kariyawasam
Abdikadir Kedne
Shruti Kharel
Amirul Khondker
Thierry Koama
Seohui Kwak
Pasang Lama
ShiEun Lee
Gavin Ludwig
Vikash Makhija
Sawa Mali
Arslan Malik
Bilal Aslam Malik
Mohamed Muhumed
Duong Nguyen
Anju Panday
Susan Pandit
Chan Jin Park
Naisha Patel
Binita Pathak
Sandesh Paudel
Ankit Poudel
Prakriti Poudel
Andrew Reed
Haolin Ren
Joseph Rickard
Thomas Rocco
Skylar Rychner
Matthew Sanderson

Nicholas Scholl
Adam Schulzetenberge
Muhammad Farhan Shahid
Shayan Shaikh
Anup Sharma
Chadani Shrestha
Ipran Shrestha
Siddhartha Shrestha
Anjila Sitaula
Anamika Subedi
Kevin Sunny Thakadiyel
Amritha Suresh
Girish Taduru
Hasnain Tahir
Shradha Taujale
Aashish Thapa Magar
Muhammad Umer
Bee Vang
Kevin Vang
Yeng Vang
Tianyu Wang
Ryuichiro Watari
Maximilian Weitz
James Yang

Information Assurance
GPA 4.0*

Hussain Al
Abuabdullah
Fawaz Alabdulhadi
Kenneth Jnr Amoah
Shei Sze Bong
Anuradha Chauhan
Yasmin Fatima
Mala Hamal
Deepika K C
Jiangyuan Liu
Hilary Mazi
Adeline Moll
Skelly Orhurhu
Siva Naga Swamy

Information Assurance
GPA 3.75 or above*

Taesig Ahn
Amer Al kharashgah
Sapana Bista
Tai Gao
Bibek Gurung
Pankaj Jairu
Durga Venkata Kaja
Joynab Mohammed
Vasanta Pusuluri

Farewell!
Graduates for Spring 2021

Information System

Folly Adamazan Teko
Suvekshya Adhikari
Abdifatah Ali
Aden Ali
Adow Ali
Yasin Ali
Ali Almanasef
Youssef Aly
Bikram Baral
Sagar Bhandari
Dillon Bienusa
Pappu Chaudhary
Devi Chaulagain
Osama Chishti
Arya Dahal
Jared Dunkley

Abshir Ibrahim
Aden Issack
Saffron Jensen
Caitlin Jordan
Hamza Junaid
Yelani Kariyawasam
Poojan Kattel
Abdikadir Kedne
Shruti Kharel
Prerna Kumai
Seohui Kwak
Pasang Lama
Jacob Lieser
Roshan Mainali
Zakariya Mohamed
Mohamed Muhumed

Abhishek Nanneboina
Borel Kirie Nobi Fokok
Binita Pathak
Prakriti Poudel
Adam Schulzetenberge
Shayan Shaikh
Anup Sharma
Chadani Shrestha
Diya Shrestha
Sandhya Shrestha
Siddhartha Shrestha
Michael Sorensen
Anamika Subedi
Shiva Subedi
Mason Todd
Matthew Vang

Uranon Vang
Makhtal Warsame
Hero Yang
Yee Yang

Information Assurance

Elizabeth Adelowo
Onyekachi Akwarandu
Hussain Al Abuabdullah
Ali Alanbry
Shei Sze Bong
Anuradha Chauhan
Bibek Gurung
Pankaj Jairu
Seeta Kumari
Doua Moua
Judith N'Gumah
Skelly Orhurhu
Kyle Rozendaal
Bhumika Sapkota
Upashna Sherchand
Vyshnavi Sailakshmi

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A member of Minnesota State