

Friday, October 20, 2023

10:00am – 01:00pm	Registration Reception Lobby, 1st Floor				
01:00pm – 02:15pm	Welcoming Remarks Dr. Sinem Vatanartiran, BAU President Dr. Michelle Landa, Chief Academic Officer & Institutional Effectiveness National Partner ACM2Y Partner Key Panel Title: Current Challenges in Computing Education Panel List George Dimitoglou, Hood College, Department of Computer Science & IT Michael B. Flinn, Frostburg State University, Department of CS&IT (Moderator) Pranshu Gupta, DeSales University, Department of Computer Science Susan Conrad, Marymount University, School of Technology and Innovation Zelalem Mengistu, Bay Atlantic University, School of Information Sciences Conference Room, 9th Floor				
	Snack/Coffee Break Yukon 4th Floor				
Session	Track 1 (Faculty Papers) Capitol Hill (Student Union) (3 rd Floor)	Track 2 (Faculty Papers) Rio Grande (4 th Floor)	Track 3 (Student Papers) Hudson (4 th Floor)	Track 4 (Workshop) DC (8 th Floor)	Track 5 (Vendor) Potomac (4 th Floor)
Session 1 02:30pm – 03:45pm	A Practical Approach to Increasing Female Enrollment in Advanced Computer Science Courses Schiff, Steven Michael; Frees, Scott Analyzing the Impact of Summer Orientation Programs for Women Computing Villani, Mary; Aydin, Ilknur; Cullington, Lisa Why Neurodivergent Tech Students are Overlooked for Jobs and How Educators Can Help Conrad, Sue; Murphy, Diane	Examining AI Regulations and Challenges in the United States: Policy Considerations for Federal Agencies Luckett, Jonathan Kira: A Financial Chatbot Using ChatGPT and Data Obfuscation Buadottir, Telma; Mascio, Olivia; Eckroth, Joshua Simulating a Mock Software Engineering Interviewer using ChatGPT* Mejias, Marlon	Predictive Modeling for Customer Purchase Behavior: A Logistic Regression Approach Based on Age and Estimated Salary Peerzada, Nida Investigating Government-Funded Cyber Influence Operations in the Social Media Era Stedman, Jacob Daniel Brain Tumor Detection Using Deep Learning Techniques Gora, Ramya	GitKit: Teaching Git and GitHub/GitLab Workflow in an Authentic Context (Part 1) Braught, Grant; Jackson, Stoney * Laptops are highly encouraged for full participation.	Vendor #1
	Snack/Coffee Break Yukon 4th Floor				

<p>Session 2 04:15pm – 05:30pm</p>	<p>Common C++ Pointer Misconceptions: Essence and Treatment Jerkins, James A.; Rawajfih, Yasmeen; Ray, Daniel A</p> <p>A Linked Open Data Based AIG Approach to Automatically Generate Introductory Object-Oriented Programming Problems Zavala, Laura; Mendoza, Benito</p> <p>Industry Trends in Software Engineering: Alumni Perspectives Anewalt, Karen; Polack, Jennifer</p>	<p>Developing Data Protection and Recovery Plan for Healthcare IoT Domain Rizvi, Syed; Ayres, Jessica; Pensyl, Jessie; Ihnat, Mark</p> <p>Data Protection and Recovery Plan for Retail IoT Domain Rizvi, Syed; Moore, Justin; McKee, Zachary; Ihnat, Mark</p> <p>A Secure Real-Time Multimedia Stream Data Backup by Network-Engine for Resource Constrained Devices Amiruzzaman, Md; Bhuiyan, Ashik</p>	<p>Phishing Resistant Systems: A Literature Review Luckett, Jonathan</p> <p>Malware Detection with Hybrid Datasets in Machine Learning Experiments Thapa, Bipun {Bip}; Lee, Tarie</p> <p>Integrating Cybersecurity and Aerospace Manufacturing Quality with The Aid Of Zero Knowledge Proof (ZKP) To Provide A Secure And Confidential Way To Transfer Classified Aerospace Data. Balachandran Pincy, Aswin Krishna</p>	<p>GitKit: Teaching Git and GitHub/GitLab Workflow in an Authentic Context (Part 2) Braught, Grant; Jackson, Stoney</p> <p>* Laptops are highly encouraged for full participation.</p>	<p>Vendor #2</p>
<p>05:45pm – 06:30pm</p>	<p>Poster Session/Reception Conference Room, 9th Floor</p>				
<p>07:00pm – 09:30pm</p>	<p>Banquet and Banquet Speaker Title: Pushing the four envelopes Richard L. Warren Clyde's of Gallery Place 707 7th Street, NW Washington, DC 20001 202-718-1900</p>				

Saturday, October 21, 2023

07:30am – 09:00am	Registration (Reception Lobby, 9th Floor) Breakfast (Conference Room, 9th Floor)						
Session	Track 1A (Faculty Papers) Capitol Hill (Student Union) (3 rd Floor)	Track 1B (Faculty Papers) Rio Grande (4 th Floor)	Track 2 (Nifty ideas) Maryland (8 th Floor)	Track 3 (Tutorial) Hudson (4 th Floor)	Track 4 (Workshop) DC (8 th Floor)	Track 5 Cyber Lab & Atlantic (7 th Floor)	Track 6 (Vendor) Potomac (4 th Floor)
Session 3 08:30am – 09:45am	<p>Incorporating Scrum Concepts in the Capstone Course Jackson, Jeffrey C</p> <p>Thinking Inside the Box: Using Containers to Encourage Commit Discipline Marmorstein, Robert Mathias</p> <p>Cloud-based Instances and Virtual Machines to Enhance Remote and Hybrid Learning Hall, Andrew O.; Hamilton, Stephen S.; Kallberg, Jan</p>	<p>The Hunt for Cybersecurity Data: Exploring the Availability of Open Datasets for Cybersecurity Scientific Research Liu, Michelle; Murphy, Diane; Green, Nathan</p> <p>The Digital Twins incident response to improve the security of power sector within critical infrastructure. Diabor, Jerry Godwin; Akerere, Abimbola; Leppert, William; Amoussou, Dr. Guy-Alain; Somerville, Shionta</p> <p>An Effective approach to closing the Breach Detection Gap (BDG) Diabor, Jerry Godwin; Anyiwo, Dr. David; traung, David; Raymond, Sydney; Davis, Khalil</p>	<p>Tips and Tricks for Teaching Switch..Case Structure in Python Wu, Penn</p> <p>Dear Neighbor: Blending Computer Science, Experiential Learning, And Community Outreach For Real-World Application Wentzell, Andrea Marie</p> <p>Computer Science Capstone: How to Encapsulate Four Years into Four Credits Lamprecht, Ruth; Weiss, Scott</p> <p>Customized Taan Generation in Hindustani Classical Music: A Relational Approach Dhalla, Hardeep Kaur</p>	<p>Developing Identity-Focused Program-Level Learning Outcomes for Liberal Arts Computing Programs Barnard, Jakob; Braught, Grant; Davis, Janet; Holland- Minkley, Amanda; Reed, David; Schmitt, Karl; Tartaro, Andrea; Terescio, James</p>	<p>The Blockchain Art Simulation (BARTS) and Experiential Exercises Sanders, Sean; Sanders, George</p>	<p>Programming Competition</p>	Vendor #3
Snack/Coffee Break Yukon 4th Floor & Pacific 7th Floor							

<p>Session 4 10:00am – 11:15am</p>	<p>Factors Impacting COVID-19 Mortality and Spread: Combining Clustering and Supervised Aryal, Saurav Keshari; Pokhrel, Aniruddha</p> <p>From Predicting MMSE Scores to Classifying Alzheimer's Disease Detection & Severity K. Aryal, Saurav; Shah, Ujjawal; Burge, Legand; Washington, Gloria</p> <p>Plant Disease Detection and Classification Using Deep Learning Models Konduru, Swathi; Amiruzzaman, Md; Avina, Vijayendra dushyanth raj; Islam, Md. Rajibul</p>	<p>OneRuleToFindThe m: Efficient Automated Generation of Password Cracking Rules Eckroth, Joshua; Hough, Lannie; ElAarag, Hala</p> <p>Enhancing Level and World Design in Game Development through Data Analytics Loring, Gabriel; Liu, Xiang Michelle</p> <p>N-Dolphin: A Visualizer for Abstract Substitution-Based Execution Reichard, Alex Lee; Wonnacott, David G</p>	<p>Oral Exams in CS-Education\\Pros and Cons in the Age of AI Assisted Programming Novak Ed; Ohmann, Peter</p> <p>How to integrate ChatGPT into the CS1/CS2 sequence Tu, Junyi</p> <p>Student Perceptions and Attitudes of Generative AI in Higher Education and the Workplace DeBello, Joan E.; Soydan, Mehmet; Mussalli, John; Rambaran, Shivani; Moorti, Payal; Mattheopoulos, Christina; Torres, Sebastia</p>	<p>Binary Patterns Henderson, Peter</p>		<p>Programming Competition</p>	<p>Vendor #4</p>
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Snack/Coffee Break

Yukon 4th Floor & Pacific 7th Floor

Session	Track 1 (Faculty Papers) Capitol Hill (Student Union) (3 rd Floor)	Track 1B [DEI Panel] Rio Grande (4 th Floor)	Track 2 (Nifty ideas) Maryland (8 th Floor)	Track 3 (Tutorial) Hudson (4 th Floor)	Track 4 (Workshop) DC (8 th Floor)	Track 5 Cyber Lab & Atlantic (7 th Floor)	Track 6 (Vendor) Potomac/Gila (4 th Floor)
<p>Session 5 11:30am – 12:45pm</p>	<p>Term Frequency Features vs Transformers: A Comparison for Sentiment Classification of African Languages Aryal, Saurav Keshari; Prioleau, Howard; Shah, Ujjawal; Acharya, Sameer</p> <p>Baselining Performance for Multilingual Codeswitching Sentiment Classification Aryal, Saurav Keshari; Prioleau, Howard; Aryal, Surakshya; Washington, Gloria</p>			<p>Performance testing of a web application using Azure Serverless Functions and Apache JMeter Dhalla, Hardeep Kaur</p>	<p>"I, ChatBot": Co-Teaching Cybersecurity Courses With Generative AI Carter, Karla</p>	<p>Programming Competition</p>	

	<p>Exploring ChatGPT's ability to solve programming problems with complex context Tran, Nghia D.; May, James J.; Ho, Nguyen T. T.; Ngo, Linh B.</p>						
01:15pm – 02:15pm	Luncheon/Awards Conference Room, 9th Floor						
02:30pm – 03:30pm	Planning Meeting Conference Room, 8th Floor						