CSU Student Places Top Three in the World!

CSU CS student, Matt Bowen, placed in the top three worldwide in IBM's Master the Mainframe contest for 2018. The other two winners included an undergraduate student from Texas and a graduate student from Japan. As stated by CS chair, Dr. Summers, "to give you some insight into the rigor of Part 3, Matt solved problems using five mainframe operating systems (z/OS, z/Linux, z/VM, z/VSE, z/TPF), at least eight programming languages (JCL, REXX, zAssembler, Unix Shell, Unix C, COBOL, DB2 SQL, Java) and several user interfaces. This is equivalent to winning gold medal in a combined decathlon and heptathlon of mainframe computing." Two other CSU CS majors competed. Brandon Corn and Tyler Staut successfully completed Part 3 and Part 2, respectively.

CS Student Selected to do Summer Research at Carnegie Mellon

CS student, Elijah Neundorfer, has been selected to participate in the Human-Computer Interaction Institute at Carnegie Mellon University. He will have the opportunity to work closely with CMU faculty and researchers on research problems with the potential for publication and significant impact on the future practice of interaction design. Last summer Elijah was selected for and participated in the the mobile security REU here at CSU.

CS student, Gabriel Bello, invited speaker at Gala

Graduating senior, Gabriel Bello, was invited to be the student presenter during the 2019 Board of Regents’ Scholarship Gala on February 8 at the St. Regis in Atlanta.

Students and Alumna earn third place in Atlanta Game Jam

CS student, Daniel Rockwell and Davian Chester, and CSU alumnus, Fred Johnson, placed 3rd out of 26 teams at the Global Game Jam hosted at Georgia State University.
Cybersecurity students place in the top 8 in the SECCDC qualifier!
The CSU team, advised by Dr. Yesem Peker, placed in the top 8 among 31 teams in the qualifiers that took place on Saturday, February 23. They will move on to the on-site competition! CSU team members:
James Ericsson (Co-Captain), Tyler Staut (Co-captain), Justin Sewell, Eloghosa Obasuyi, Christopher Wilson, Brandon Corn, Matthew Bowen, Matthew Warner-McKinley
Congratulations to all on their hard work and commitment!
Thanks to those who helped the team prepare for the competition: Casey Erdmann, Peter Staarfanger, Vincent Gammage, Michael Barker, Loretta Marshall, Nathan Gibson, and Aurelia Smith.

Discovery Day
Every semester high school students are invited on campus to check out CSU and its programs. On February 16, twenty-two students and their parents visited CSU and TSYS School of Computer Science to find out if CSU is the right place for them. CS students and faculty were available to answer questions. The next Discovery Day is March 30.

Student and Faculty Presentations and publications
The following students (and their mentors) had their research recognized by the National Conference for Undergraduate Research:
* Hannah Turner, Mary Harrell and Dr. Lydia Ray: “Development and evaluation of ‘ChemAid’: a Mobile Computing Application for Enhancing Laboratory Experience”
* Gabriel Bello, Gavin Kerr, and Dr. Yesem Peker: "Software Assurance of Smart Contracts 
* Andrew Lesh and Dr. Suk Lee: Using negative cycle detection to determine Arbitrage Opportunity
* Valencia Coleman, and Dr. Rania Hodhod. "CompuTrain: An Augmented Reality Serious Game to Develop Computational Thinking"
* Jason Brown, and Dr. Rania Hodhod. "How many 5x5 arrays, where each row and column are perfect squares that do contain 0, are there?"
* Shefali Patel, Taylor Woods, Maidel Fletes, Lacey Little, Kathleen Rhinebolt and Dr. Rania Hodhod. "Prisoner's Dilemma".

Dr. Hyrum Carroll's paper "MultiDomainBenchmark: A Multi-domain Query and Subject Database Suite", has been accepted in the BMC Bioinformatics journal (BMC stands for BioMed Central).

Dr. Rodrigo Obando's paper, "Teaching Object-Oriented Recursive Data Structures" has been accepted in the ACM Southeast conference in Kennesaw, GA. Dr. Alfredo J. Perez and his student, Gabriel Bello also had a paper accepted: "Adapting Financial Technology Standards to Blockchain Platforms".

Dr. Perez and University of Kentucky professor, Dr. Sherali Zeadally, had a paper accepted to IEEE Communications: "A Communication Architecture for Crowd Management in Emergency and Disruptive Scenarios". IEEE Communications is currently ranked as the 2nd top journal in telecommunications in the world with an impact factor of 9.26.

The following poster presentations were accepted at ACM's SIGCSE conference in Minneapolis, MN:
* viCyber: An Intelligent Curriculum Design Tool for Cybersecurity Education - Dr. Rania Hodhod, Dr. Paul Wang, and Dr. Shamim Khan
* Establishing Computational Thinking as Just Another Tool in the Problem Solving Tool Box - Hillary Fleenor
* What does it take to Teach K12 Computer Science? Exploring Teachers' Attitudes Towards Teaching CS K12 in Georgia - Dr. Alfredo Perez and Hillary Fleenor
* Collaboration: Developing and Piloting a Cybersecurity Curriculum for Middle School - Dr. Yesem Peker and Hillary Fleenor
Get Involved with Student Organizations!

**CSU Student Chapter of the ACM**  
(Association of Computing Machinery): TBA  
BBS (Black Box Society) 2/19, 3/12, 3/26, 4/9, 4/23 @ 7:30p in CCT 125  
**Board Games Club:** 3/1, 3/29, 4/19 @ 5:30p in CCT 405  
**CSU Student Chapter of the GGDA** (Georgia Game Developer’s Association): Thursdays @ 12:30p in CCT 405  
**STARS** (Students, Technology, Academics, Research, and Service): 2/22, 3/15, 4/12, 5/3 @ 5:00p in CCT 405  
**WIT** (Women in Technology): 2/22, 3/8, 3/15, 4/12, 5/3 @ 5:00p in CCT 405

Check the bulletin board on the fourth floor of CCT for events as well as meeting dates and times.

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**Upcoming Events at CSU**

- **Turner College Business Plan Competition**  
  Deadline is April 8, 2019  
  See the website for more information:  
  https://business.columbusstate.edu/businessplan/

- **Volunteer to teach CS at a local school!**  
  If you are interested in volunteering at a local school to teach a CS lesson or work with Lego Robotics team, please send an email to csoutreach@columbusstate.edu

- **WIT Resume Workshop**  
  The Women in Technology group is hosting a resume workshop run by industry professionals on March 8, 2019 at 5p in CCT 405. Everyone is welcome (men too)! Bring a draft of your resume.

- **Advising for Summer and Fall 2019**  
  Advising starts March 11. Make sure to get an appointment and make a plan!

Get involved!  
Check the clubs board for upcoming events!!!

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**Current Opportunities**

**Applications are open for Summer REU at CSU!** The deadline to apply for the Research Experience For Undergraduates program in Security for Mobile Sensing at CSU is March 4, 2019. The program will run from May 29-July 24, 2019 and includes a $4000 stipend plus travel, meals, and on-campus housing. Please visit the website to apply: http://www.reucsu.org/

**Applications are open for Summer REU at Tennessee Tech!** The deadline to apply for this Research Experience for Undergraduates program in Secure and privacy-preserving cyber physical systems! is March 1, 2019. The program runs from June 3 to August 9. It includes on campus housing, meal plan, and stipend. Please visit the website to apply: http://www.cae.tntech.edu/~mmahmoud/REU/REU.htm

Apply for a virtual internship on open source software at [Outreachy](https://outreachy.org) here. There are two deadlines per year (October and March)

Apply for a **Microsoft Scholarship**. The deadline for a diversity conference scholarship is March 29. Find more information here.

Apply for a **Travel Scholarship to Grace Hopper**. The deadline to apply is March 6. The conference is October 2-4, 2019 in Orlando, FL. Find more information here.

Apply for a **Travel Scholarship to Richard Tapia**. The deadline to apply is March 29. The conference is September 18-21, 2019 in San Diego, CA. Find more information here.

Apply for a **EERE Robotics Internship Program**. The deadline to apply is March 5. Internships will be for 10 weeks at a variety of national laboratories and private industries across the United States. Interns will be assigned to research projects and/or other technical activities under the guidance of a mentor who is a technical staff scientist or engineer at the host facility. Find more information here.