



ECONOMIC IMPACT:

From Learning to Supporting Local Industries



COLUMBUS STATE
UNIVERSITY



Albany State
University



UNIVERSITY SYSTEM OF GEORGIA



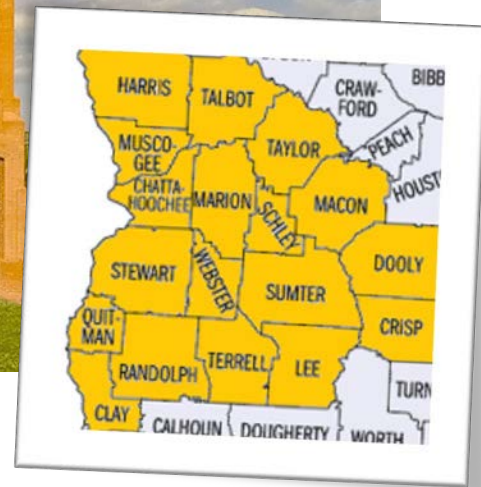
COLUMBUS
STATE
UNIVERSITY



Dr. Rocky Kettering
Vice President for University Advancement



UNIVERSITY SYSTEM OF GEORGIA



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TSYS: PARTNERS IN TECHNOLOGICAL ADVANCEMENT

TSYS, the Columbus-based credit card and payment processor, donated \$5 million to Columbus State University in 2015 - the largest contribution ever given to CSU's Turner College of Business. CSU was one of seven institutions selected in January of 2015 to develop the University System of Georgia's capabilities in information technology and cybersecurity and increase the number of qualified graduates for those careers.

"TSYS has been proud to partner with CSU through the years in a variety of valuable initiatives, including the naming of the TSYS School of Computer Science in 2002," CSU graduate Troy Woods, the chairman, president and chief executive officer of TSYS, said. "The establishment of the Cybersecurity Center as well as the Endowment for Excellence represent the next step in TSYS' partnership with CSU, and we look forward to seeing the fruit of this important investment in our community, our company and the financial services industry."

On October 29, 2017, Columbus State University dedicated the TSYS Center for Cybersecurity, celebrating another chapter in the partnership between the university and the electronic payments processor - and demonstrating their commitment to developing and training employees for such an essential career field.

Regarding CSU's partnership with TSYS, CSU President Chris Markwood said, "When the company was first starting to flourish, they had such a need for computer programmers that they considered moving their headquarters out of Columbus so they would have easier access to the talent they craved," Markwood said. "However, Columbus State University stepped in and worked with them to develop a partnership program that allowed CSU to tailor our computer science courses so we train the workers to the exact requirements that TSYS needed."

"I'm told there are now more than 1,000 Columbus State University alumni who have worked at TSYS at one time or another (including CEO Troy Woods). And now, of course, TSYS is the global leader in electronic payments, with a presence in more than 80 countries on five continents." Markwood also thanked TSYS for "the trust you have placed in us."

While thanking the folks who made this center possible, Linda Hadley, dean of CSU's Turner College of Business, said, "We realize how fortunate we are, but we also realize that we have a lot to live up to."





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TSYS®



Jacob Worthington
Cyber Security Architecture & Business Analyst



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13:56

5G 100



T|SYS[®]



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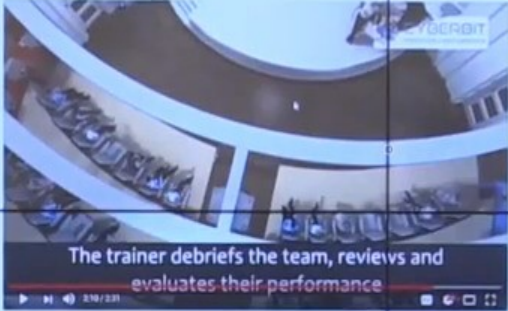




cyber range training - YouTube

Secure | https://www.youtube.com/watch?v=...

cyber range training



The trainer debriefs the team, reviews and evaluates their performance

CyberBit Range - Training and Simulation Platform

1:55 views

CyberBit Ltd
Published on Sep 13, 2017

CyberBit Range is a simulation platform enabling organizations to establish and manage training and assessment centers for conducting live, virtual, and blended learning. It allows for real-time training scenarios that dynamically adjust cybersecurity work performance. The platform...

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Use to Build an Occasional Cyber Range Business

Cyber Range

CyberBit Range Use Case Analysis: Traffic Generation

CyberBit SOC: 24x7 Use Case: Intelligence and Response

Cyber Security Trainer

CyberBit SOC Use Case: Graph System Malware Analysis

Building a Cyber Range Platform - Baltimore Cyber

2:19 PM 10/26/2017





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**Brandon Corn, Junior
Computer Science Major**



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REU: Research Experience for Undergraduates

```
superstring =  
} class($query) {  
    $queryString = http_build_query($query, '', '&');  
  
    $server['REQUEST_URI'] = $components['path'].('!' != $queryString ?  
    $server['QUERY_STRING'] = $queryString;  
  
    return self::createRequestFromFactory($query, $request, array(), $se  
  
    * This is a callable able to create a Request instance.  
  
    * This is mostly useful when you need to override the Request class  
    * to keep BC with an existing system. It should not be used for any  
    * other purpose.  
    * @param callable $callable
```



SYSTEMS



APPLIED

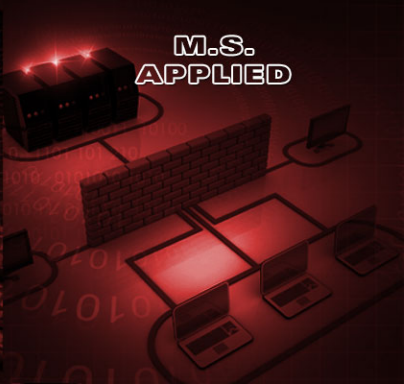
YOUR TEXT



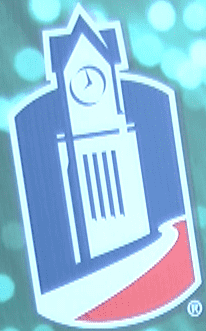
GAMES



IT



**M.S.
APPLIED**



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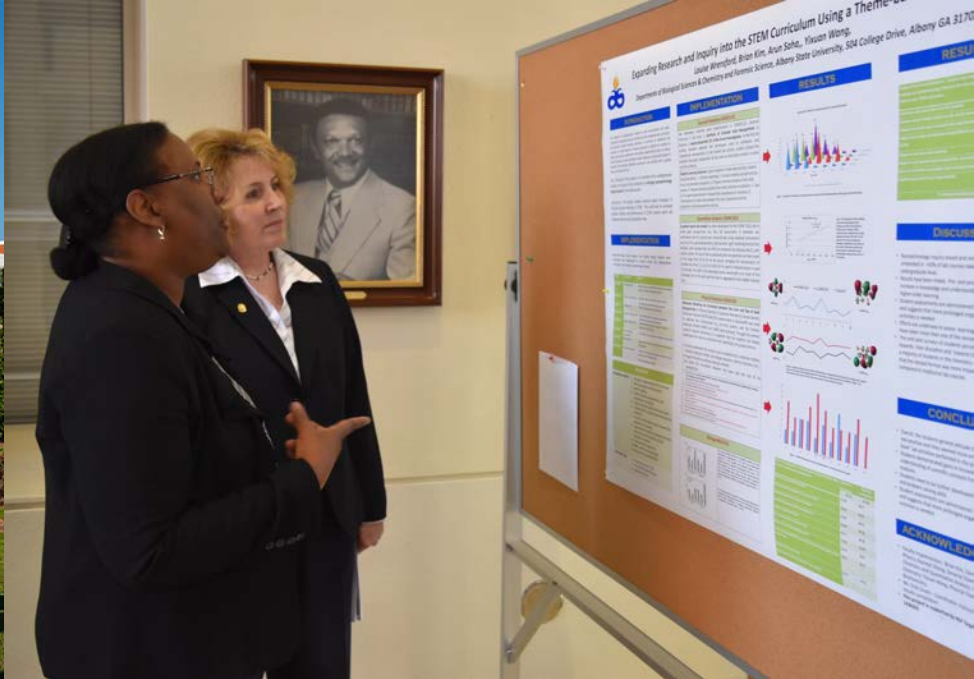
CYBERSECURITY
CYBER LAB
GRAND OPENING





Dr. Robert Owor
Mathematics and Computer Science Department







BREWERS
AND FARMERS

PRETORIA FIELDS COLLECTIVE



Brewed by farmers,
Brewed by farmers,
In the grasslands.

— proud quality
— crafted beer



M
B
K



In the heart of
farmers
— passion —

PRETORIA

FIELDS

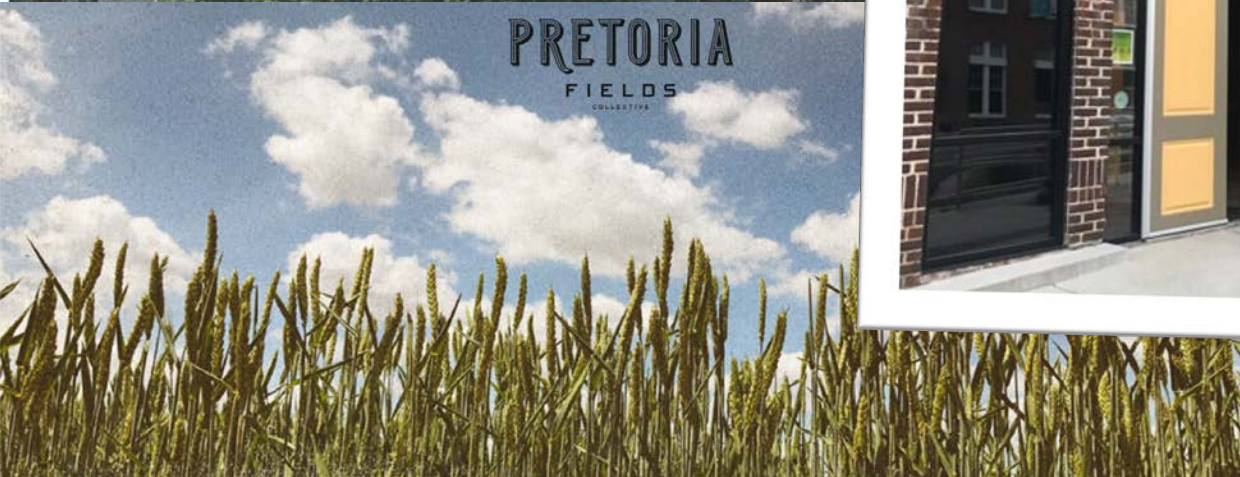
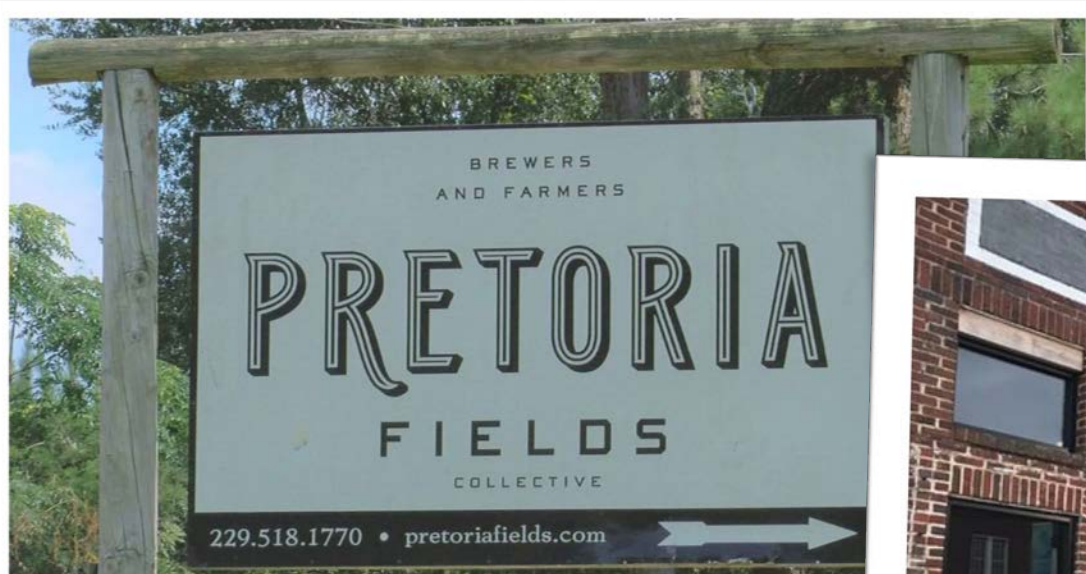
COLLECTIVE

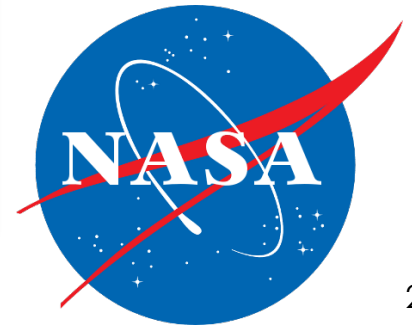


Dr. Tripp Morgan
Pretoria Farms, Founder and CEO

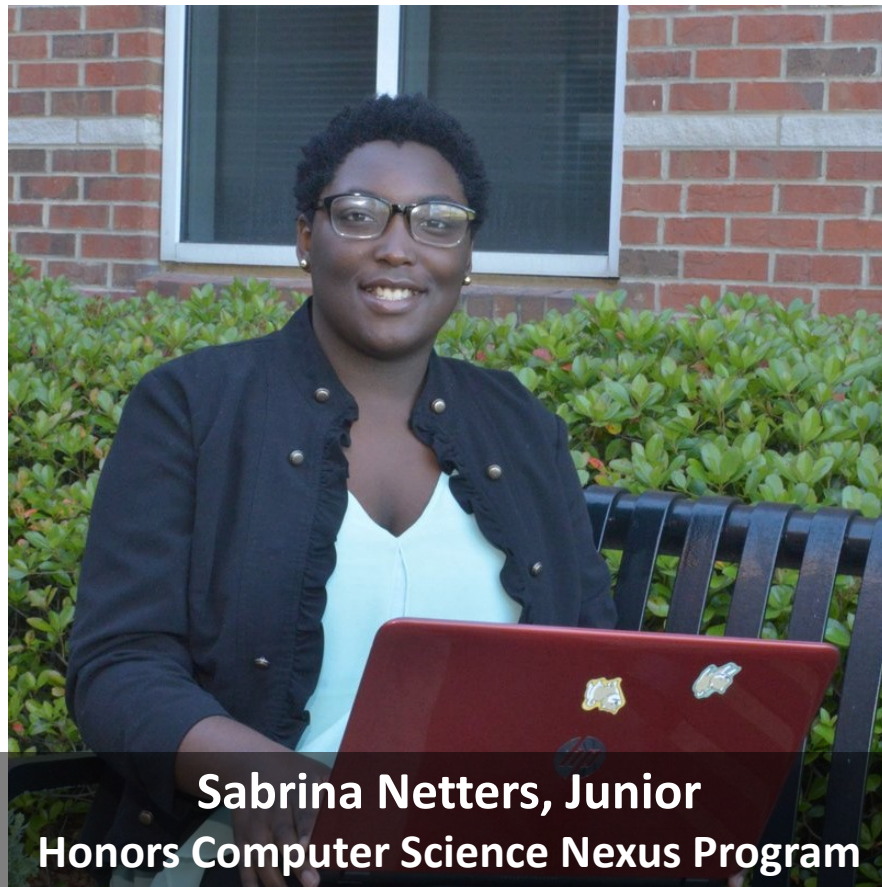








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Sabrina Netters, Junior
Honors Computer Science Nexus Program





**Amiralca Johnson, Sophomore
Honors Computer Science Nexus Program**



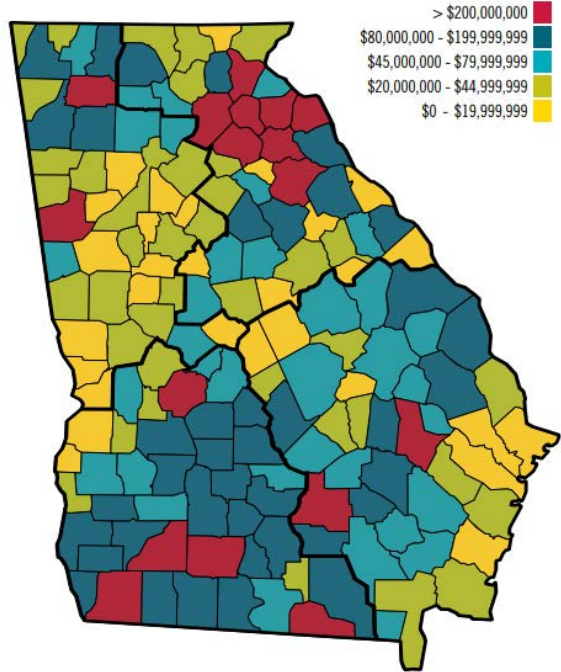






2017 Total Farm Gate Value

2017 Georgia Farm Gate Value = \$13.79 billion
2016 = \$13.75 billion





Applying Machine Learning to Agriculture:

1. Irrigation





24°/18°

Percipitation 5%

1016 hPa

Soil temperature

50°



100% 75% 50%



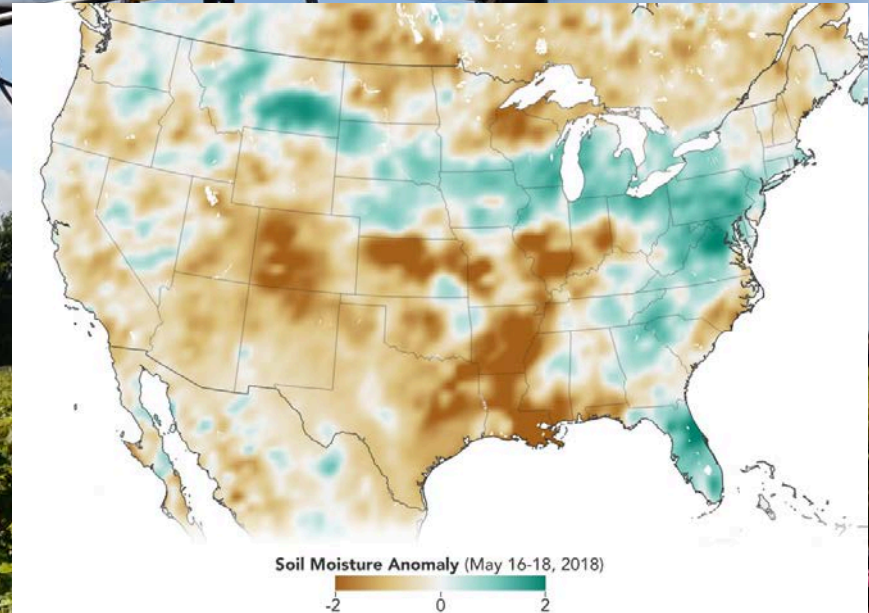
pH 5.0



Moisture

60%





20% SAVINGS in Power Consumption

30% SAVINGS in Water Usage



Applying Machine Learning to Agriculture:

1. Irrigation

2. Bayesian Decision Theory

(To pick, or not to pick...

that is the question)



Bayesian Decision Theory





Thank You



