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# BrownSTEM CYSEC Academy

Mission: Creating, nurturing, and sustaining an incubator and accelerator for underserved students in the STEM fields

# BrownSTEM Vision and Mission

## Vision

The Vision of BrownSTEM Academies is to inspire and nurture facilitated learning experiences in underserved communities that create critical thinkers who become action-oriented leaders.

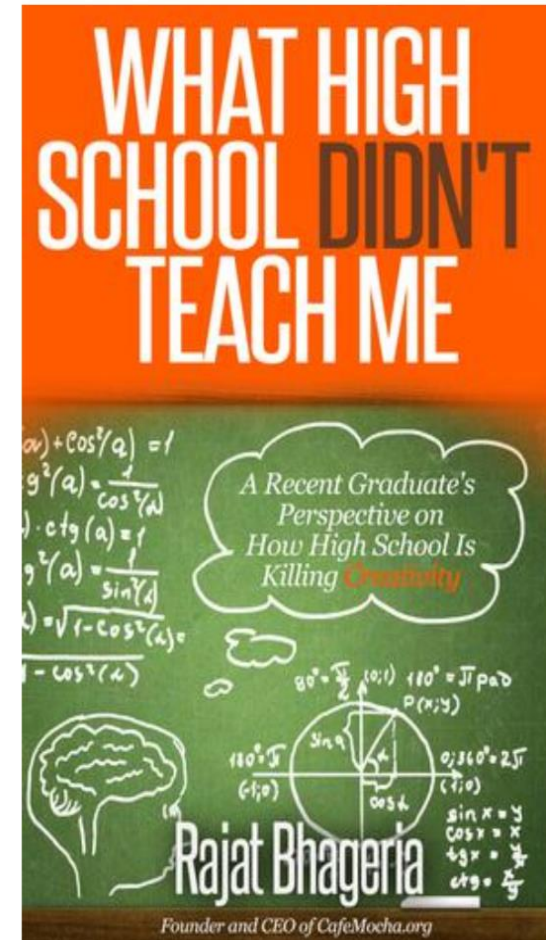
## Mission

Create, nurture and sustain innovative schools for underserved students in underserved communities for college and career readiness with a STEM strand focus

- Serving grades 6-12
- Cyber security focused curriculum
- Early College/Dual Credit
- Incubator and accelerator
  
- Deeper Learning instructional Philosophy:
  - **Connect**- to a community of learners
  - **Empower** - activating students to lead their own learning
  - **Contextualize** - tie subjects to each other and keep it real
  - **Reach** - network beyond school walls
  - **Inspire**- customize learning to motivate each student
  - **Wire**- Make technology the servant not the master
  
- **Teaching Hospital Model** (a model of learning-by-doing that includes college students, professors and industry professionals working together to digitally inform and engage a community)

# Recent High School Grad's Take on CS

- Software is everywhere
- Computer science teaches you how to think and efficiently solve problems
- Students can apply computer science to any field
- Programming is actually fun
- Computer science pays off with high paying jobs
- And is a good foundation for entrepreneurship





# Why Santa FE College?!

Stellar reputation with community and for leading innovative degree programs (AS in IT Security, BAS Information Systems Technology, Certifications)

Mission- “adds value to the lives of our students and enriches our community through excellence in teaching and learning, **innovative educational programs and student services**, and community leadership and service”, is aligned to BrownSTEM Schools personal and professional educational values and beliefs

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- Create 6-12 Cybersecurity curriculum that prepares students for Santa FE's Cybersecurity programs
  - Access to instructors, Cybersecurity professionals, Santa FE students which is aligned to "Teaching Hospital Model"
  - Nurture and support a pipeline to the growing Cybersecurity workforce in the Gainesville and surrounding communities (FL High Tech Corridor-Alachua, Marion and Putnam Counties)
  - Increase minority and women representation in Cybersecurity
  - Thought partner on an innovative vertical integration model
  - Long-term relationship ( other STEM focused academies include Bio-medical Engineering, Aeronautics, All-Girls STEM, and Forensic Science-Digital DNA)



# Community and National Partnerships

## *“It Takes A Village”*



**ANY?**  
**QUESTIONS**

