

# FITC: Redesigning Courses & Programs for Underrepresented Student Success

Ebe Randeree  
Florida State University

April 17, 2015

# FSU Programs

Computer Science

Computer Engineering

Information Technology (my focus)

- BS IT
  - Major in IT
  - Major in ICT Information Communication & Technology)
  - **2008 Data:**
    - 250 Undergraduate Majors, [20] 9-Month, [4] - 12 Month Faculty
  - **2014 Data:**
    - 500 Undergraduate Majors, [19] 9-Month, [7] - 12 Month Faculty

# Success?

## Questions

- How do we grow our programs in general?
- How do we increase underrepresented populations?
- How do we increase student engagement?
- How do we impact the community?
- How do we impact k-12?

# IT (Reborn)

## Pre 2005

- Information Studies program
- IT light!

## Post 2005

- New Dean
- Redesigned IT program
- General focus on Critical Thinking, Problem solving, Communication Skills, Project Management
- Emphasis on Databases, Networking and Security
- People – Information – Technology
- Pulled ideas from STARS Alliance (will explain later)
  - Pair Programming
  - Collaboration
  - Student success instead of “Weed out”

# Efforts on Retention

## Administrative approach to improve underrepresented groups

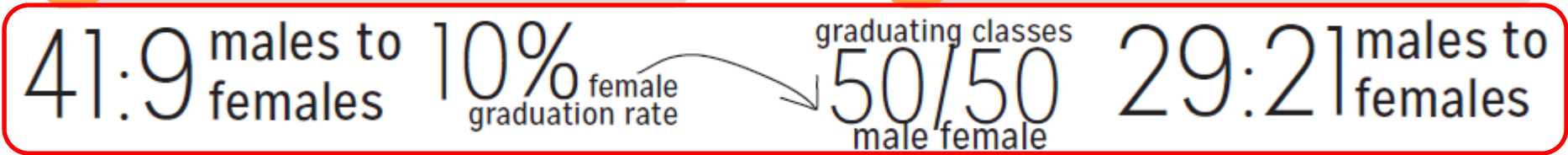
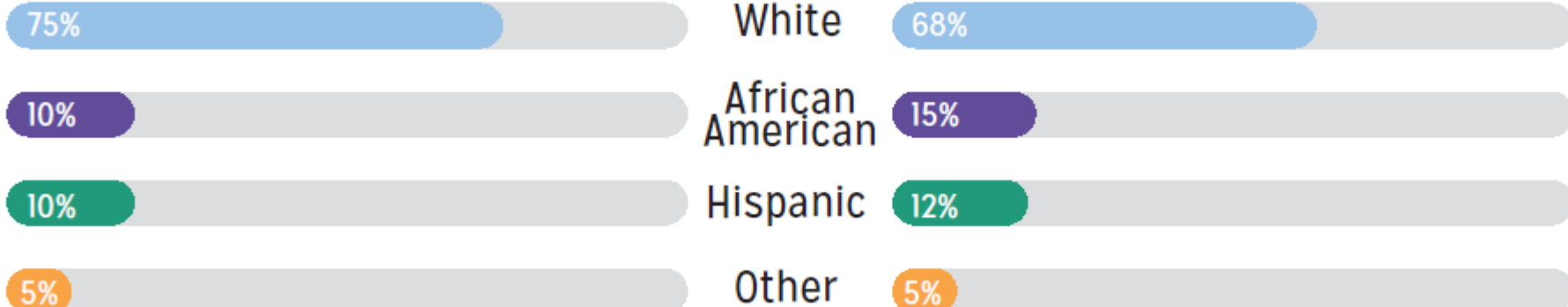
- Program Review
  - Review courses/curriculum
  - Review rotation
  - Review content flow
  
- HIT List
  - Review Faculty members (SUSSAI)
  - Review student issues
  
- HIT List
  - Week 5 checks
  - What students were struggling?
  - Find problem, have intervention, come up with solution

2008

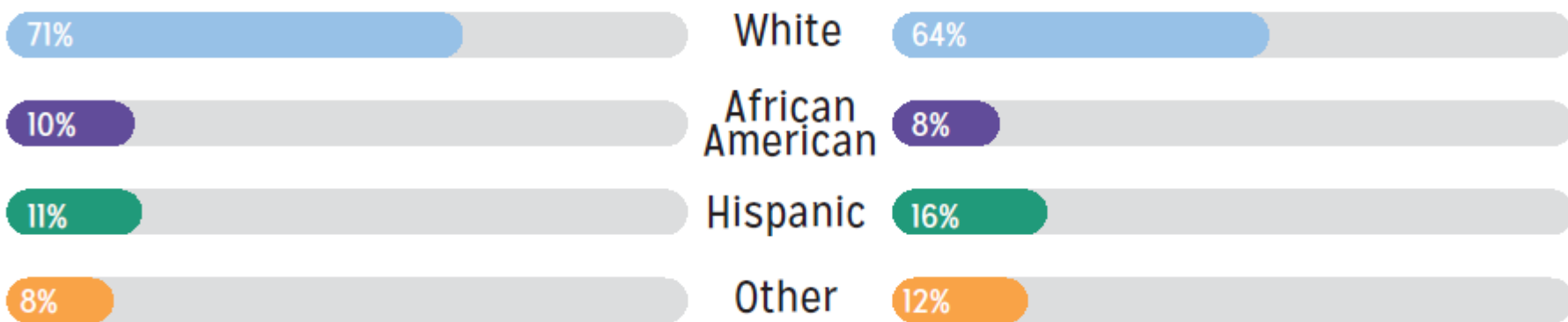
# STATS

CCI Student Demographic

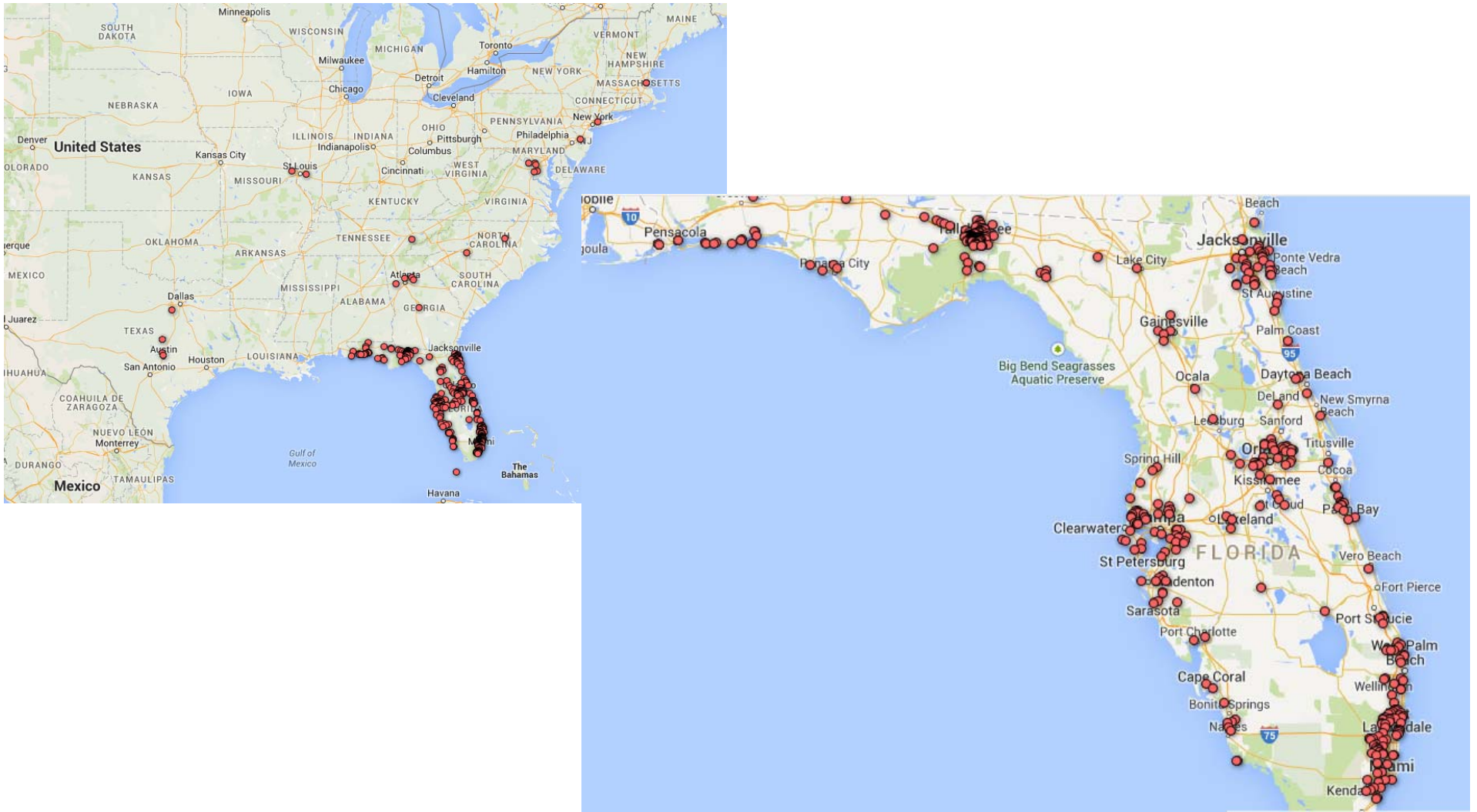
2014



## FSU Student Demographic



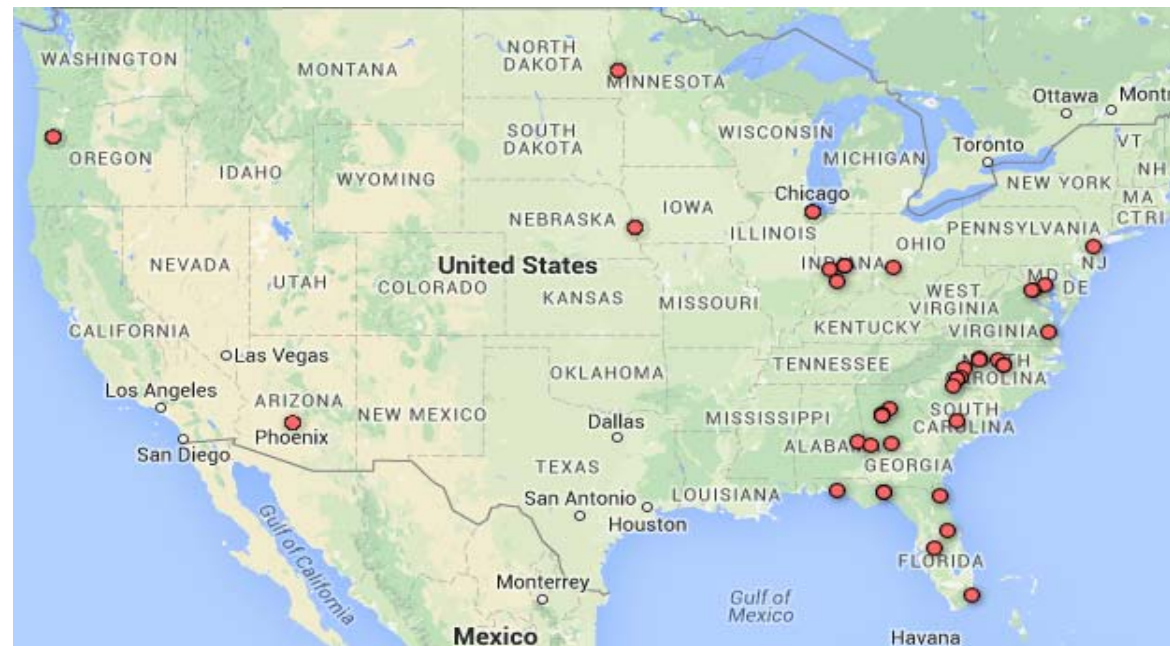
# Where are our students from?



# Efforts on Recruitment

STARS – Students & Technology in Academia, Research and Service

- NSF Funded, Broadening Participation
- 10-12 Students, FSU one of 5 co-founders w/FAMU
- 2005->

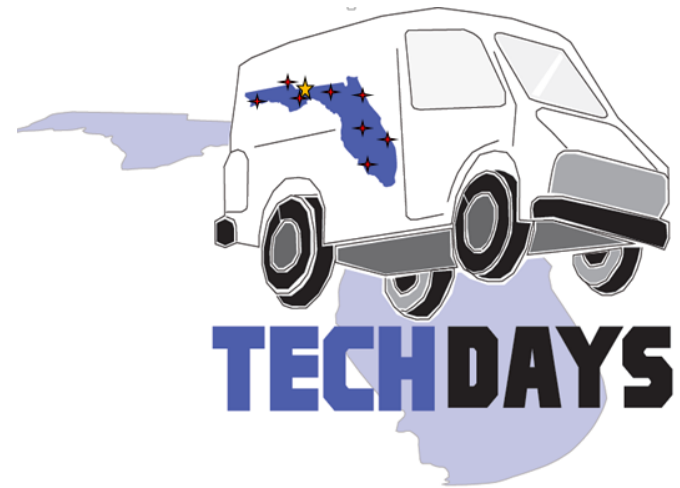




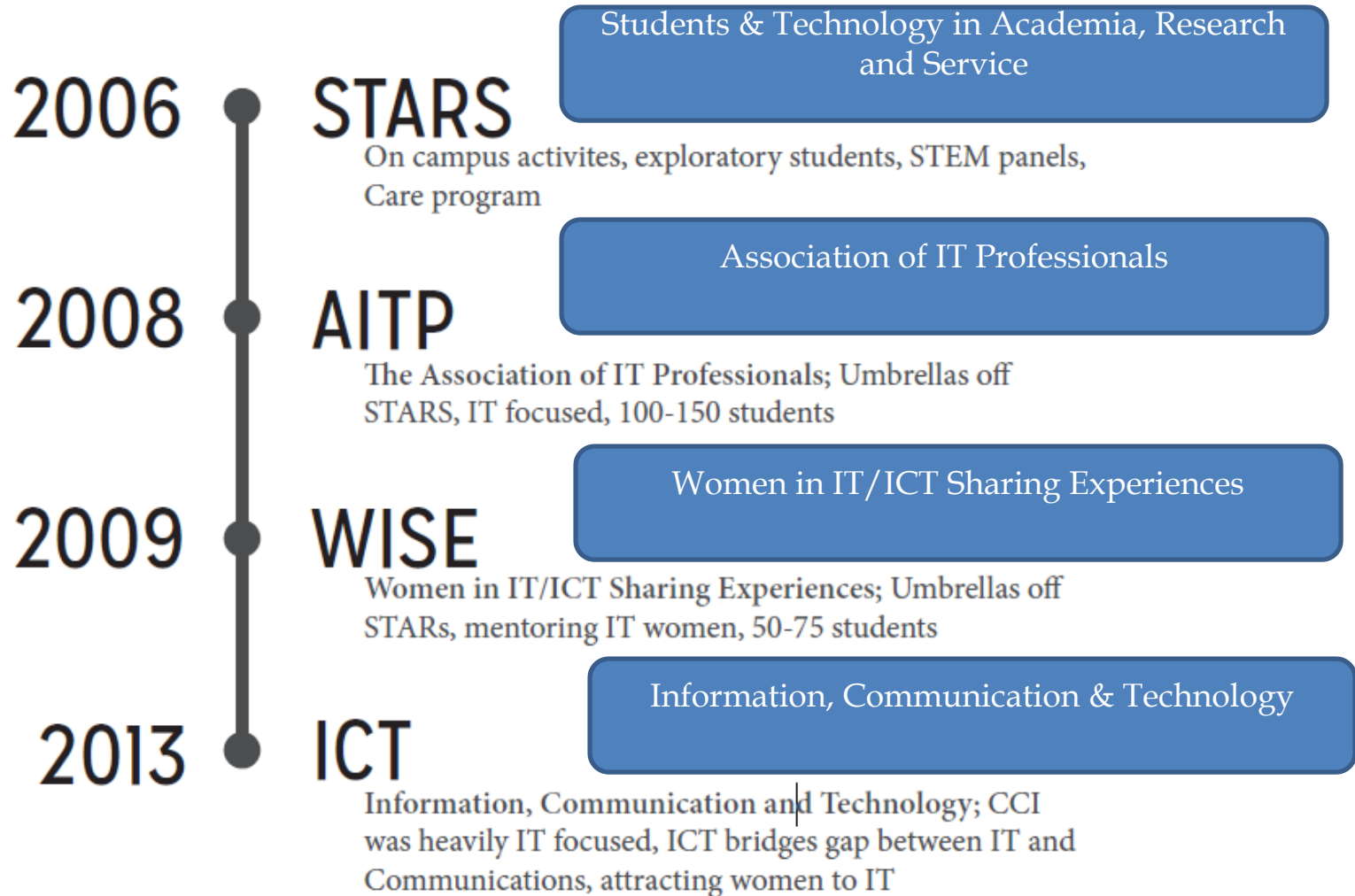
# Efforts on Recruitment

## STARS (2006-current)

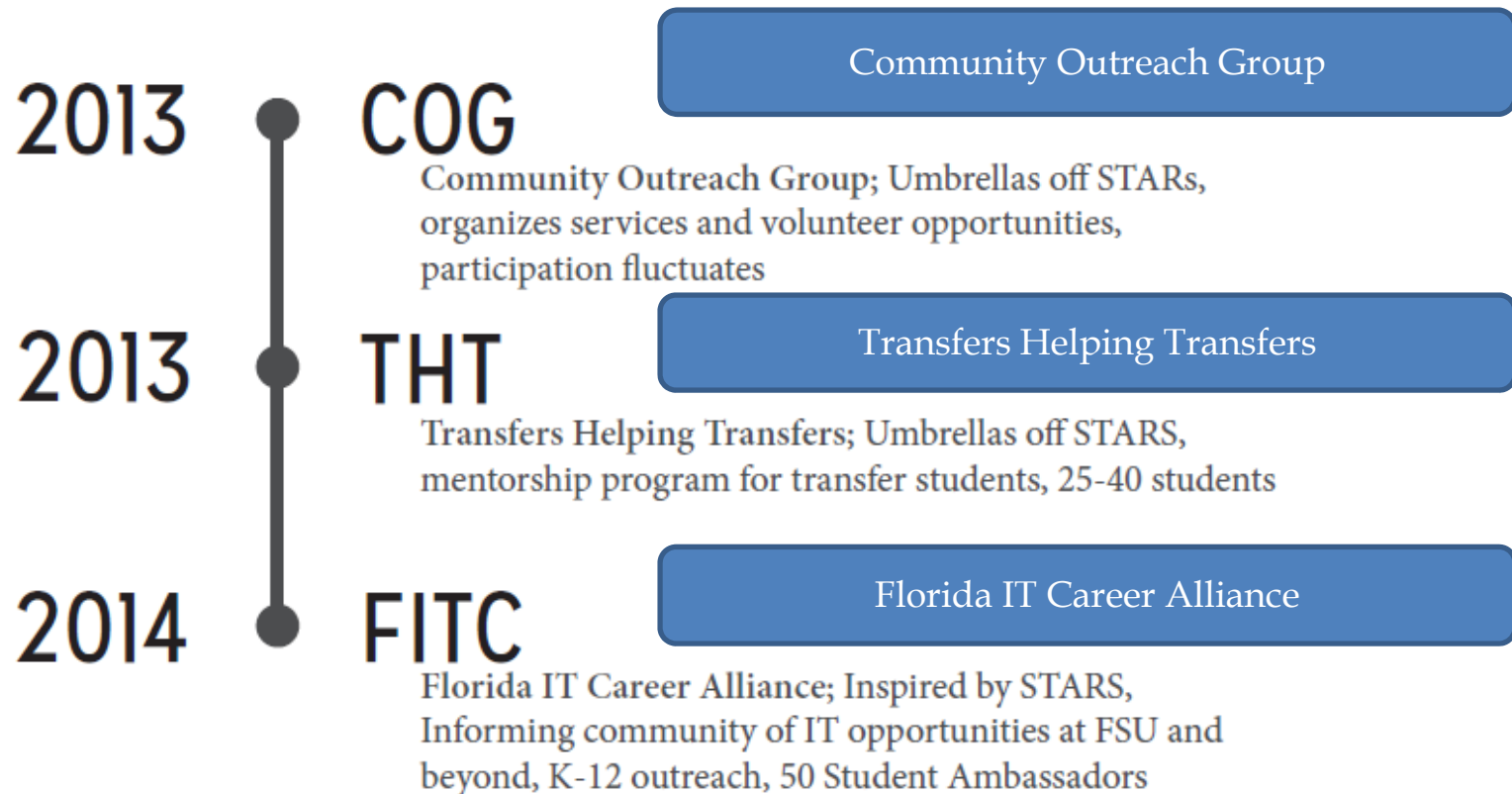
- On campus – hosting 3-4 schools per semester
  - Off campus- visiting 3-4 schools per semester
  - STEM clubs – 3 elementary schools
  - Summer camps
  - Tech Days
  - Feed Your Brains
  - Panels
  - Targeted recruitment
  - Girl Scouts
  - Florida TSA
- 
- Eventually made this part of a Leadership Course



# Retention



# Retention



# Recruitment/Retention

## Academic Engagement

- Guest Speakers
- STEM outreach
- Exploratory presentations
- Leadership Class
- IT Practicum & IT Internships
- Garnet & Gold Scholar

Thank You!