UNC GREENSBORO

BRIGHT-CS: Building Student Retention through Individuated Guided coHort Training in Computer Science

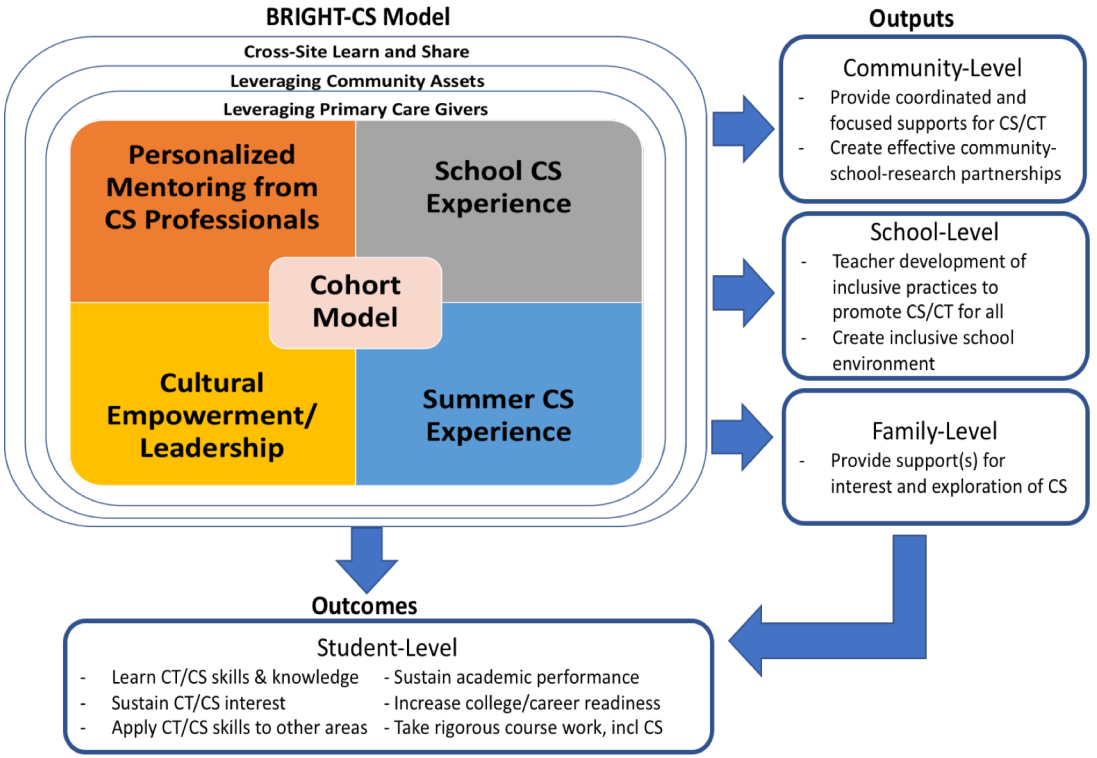
(Award # 1752436)

Challenge Showcase

NSF STEM+C PI Conference 2019

Arlington Virginia

Quick overview of the BRIGHT-CS project



Within one semester of implementation

Four middle schools
- 2 schools in APSVA
- 2 schools in NYC

BRIGHT-CS instructors
- 3 instructors

School sponsors
- 4 teachers/ school staff

Four middle schools
- ~~2~~ schools in APSVA
- ~~2~~ schools in NYC

BRIGHT-CS instructors
- ~~3~~ instructors

School sponsors
- ~~4~~ teachers/ school staff

Challenge Showcase: Implementation in School-Based Settings

1) **Learning the implicit hierarchical culture of the school system and each school**
   - Each school (with different school leaders) has different professional cultures where some are more collaborative while others are more formal and hierarchical.
2) **Adjusting to the multiple changes in school staff**
   - Changes in staffing from superintendent and assistant superintendent changes (top-level buy-in), school sponsor changes (school-level buy-in), and program instructor changes (curriculum buy-in).
3) **Working within the rhythm of the school**
   - Each school has its own rhythm of how it works, from student afterschool clubs to teacher professional development days.
4) **Balancing implementation with research data collection**
   - In school settings, instructors and students are less used to being interrupted by researchers.