

The Constellations Difference

The **Constellations Center for Equity in Computing at Georgia Tech** was created with a mission to ensure that all students—especially students of color, women, and others underserved in K-12 and post-secondary institutions—have access to quality computer science education, a fundamental life skill in the 21st century.

"Until Constellations came to our school I had never done any kind of computer science and had pushed it off as something that was really hard and probably would never understand. Mrs. White (Constellations fellow) breaks it down really well and has helped me not only learn binary and other cool stuff, but that anything is possible."

— Akiem Williams, Senior, Mays High School

CREATING THE NEXT[®]

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Tech  Constellations

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» Democratizing
Democratizing Computing
Computing



Georgia
Tech  Constellations

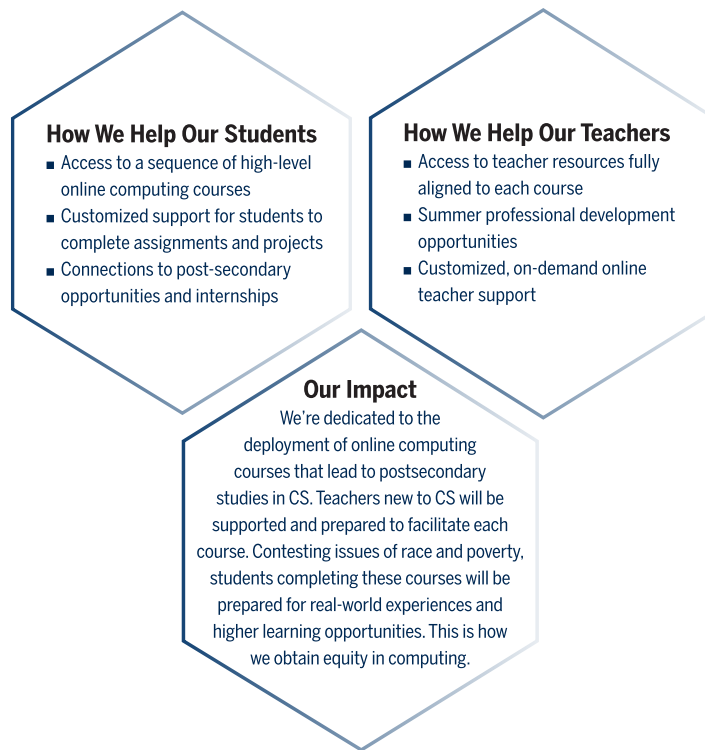


About the Center

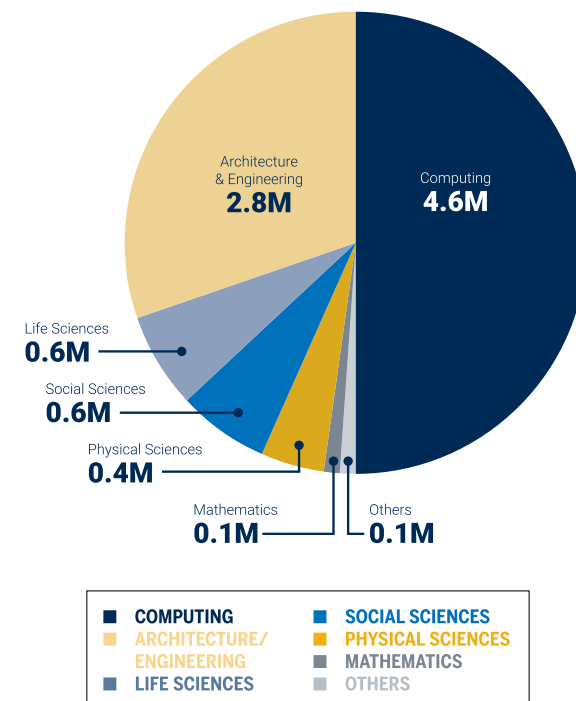
Computer science education is fundamental to the future of education in the later part of the 21st century. Computational skills are increasingly the primary gateway through which students can participate in the modern economy in any sector. At the Constellations Center for Equity in Computing at Georgia Tech, we are concerned that crippling levels of racial and economic segregation in Georgia and across the nation, will leave the majority of students of color and poor and rural students of all kinds locked out from these critical skills. Lack of access will deny them entry to selective higher education and ultimately to the increasingly technical contemporary workforce. The Constellations Center is designed to address this challenge. Our charge is to democratize computing.

We believe that:

- Every student **regardless of gender, race, ethnicity, or income** should have access to quality computing education
- democratizing computing** is a central pillar in educational equity for the 21st century
- race and income **segregation is directly correlated to students' access** to computing
- the country cannot produce enough computing teachers** in the K-12 or post-secondary systems to meet the increasing educational demand in any reasonable time frame
- scarcity of teachers leads to further exclusion** of students of color and rural students from these valued skills
- computing offers a unique opportunity** to leverage new technical platforms to augment student learning
- hybrid instruction** consisting of an expert educational facilitator and on-line subject matter content is the only scalable solution to offer computer science education to the nearly 530,000 high school students in Georgia and the nearly 15 million in the United States.

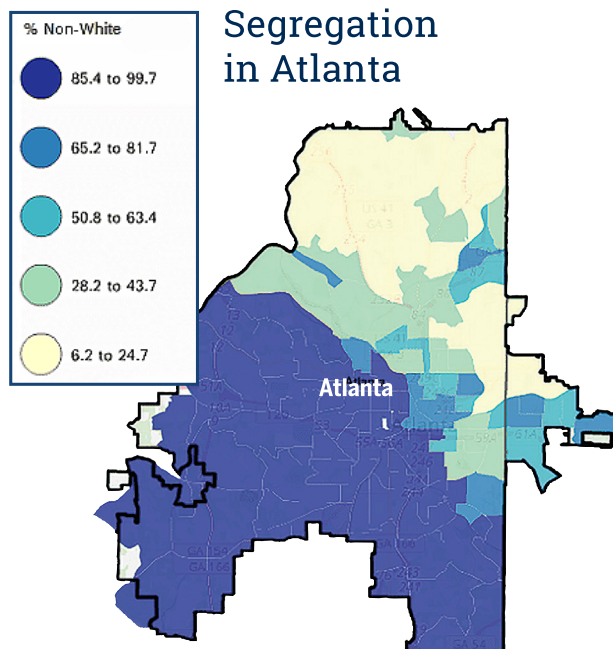


Preparing for the Future of STEM Jobs



"There is not a lack of talent in computing, but a lack of access and opportunity to learn computing skills. Constellations is working to change that."

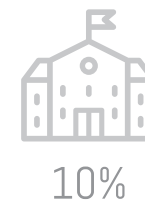
– Lien Diaz, Director of Educational Innovation and Leadership



Computing jobs in Georgia, only **10%** are graduates with a degree in CS



There are nearly **530,000** high school students in Georgia and less than **1%** take the AP CS exam



There are over **38,000** high schools in the nation. Only **10%** offer advanced computing courses