

Tiera Fletcher Biography

From Mableton, Georgia, Tiera Fletcher is a graduate of the Massachusetts Institute of Technology (MIT), with a Bachelor's of Science degree in Aerospace Engineering obtained in June of 2017. During her senior year at MIT, Tiera also worked as a part-time Rocket Structural Design and Analysis Engineer at The Boeing Company, specifically working on NASA's Space Launch System; the most powerful rocket ever built that will enable us to send humans to Mars and beyond. The Boeing Company selected Tiera because of her passion for human space exploration, ambitious research projects, and her tenacious drive for not only individual success, but her care for the success of others. As a student, Tiera worked in the Man Vehicle Laboratory, the Gelb Laboratory and the Space Systems Laboratory at MIT, where Tiera worked on defining rotations for astronauts in anti-gravity, completed structural analysis for an unmanned aerial vehicle and underwent research to determine the outer protective layer material for Dava Newman's BioSuit. As a recipient of the Albert G. Hill Prize, Tiera greatly contributed to the betterment of the minority community on the campus of MIT through her service as the Co-Chair of the Black Students Union and the Co-Chair of the Black Women's Alliance. At The Boeing Company, she has used both academic and communal experiences as a Rocket Structural Analysis Engineer in Huntsville, Alabama. As of January 2018, she is now supporting the build of the rocket as a Rocket Structural Engineer in New Orleans at NASA's Michoud Assembly Facility. Outside of work, she focuses on encouraging the youth through mentorship and public speaking. She has been featured in USA Today, Huffington Post, Guideposts, Essence, MIT News, CNET, NY Times and Glassdoor to name a few. In 2017, she was featured in Good Housekeeping as a 2017 Awesome Woman of the Year, This is Ground as a Groundbreaking Pioneer, CoderDojo's Ireland Coolest Projects as a Keynote Speaker, and Odyssey Business Network Retreat as a Honoree. She has her own annual celebration "Tiera Fletcher (Guinn) Day" at Lindley Middle School, where she received the Georgia Notable Citizen Award at its initiation. As of 2018, she has been featured in the North Face She Moves Mountains Campaign, the Ad Council She Can STEM Campaign and

various news outlets in addition to speaking at the ImpactCEE Convention in Krakow, Poland as a Keynote Speaker and other motivational STEM-related events. This year, she served as Keynote Speaker at the National Geographic Science Festival in Italy as well as appeared on episodes of the PBS TV series called Breakthrough.

Outside of work, Fletcher is an author, mentor, motivational speaker, business owner and STEAM advocate. Fletcher is the co-founder of the outreach business Rocket With The Fletchers. As the co-founder of Rocket With The Fletchers, Fletcher travels the world to promote STEM and motivate at various events. Fletcher has been awarded 2019 Most Promising Engineer in Industry, 2018 NSBE 21st Century Trailblazer in Human Spaceflight, Notable Georgia Citizen, in addition to online features, campaigns and publications. Tiera is also co-authoring a book called Wonder Women of Science that is set to be released in 2021. In July of 2017, Tiera Fletcher married her best friend, Myron Fletcher, who is a Rocket Propulsion Test Engineer and a graduate of both Tuskegee University and Duke University. Together, they have created a public speaking business, Rocket With The Fletchers, that they will expand into a nonprofit organization, scholarship foundation and tutoring program in the near future