



**Jack Andraka** (Stanford B.S/B.A in Electrical Engineering with Honors and Anthropology with Honors) is a National Geographic Explorer who speaks to audiences of youths and adults all across the globe about his personal story, research, and his ideas for STEM education reform and fostering innovation and creativity. His journey began at age fifteen when, after losing a close family friend to pancreatic cancer, he invented an inexpensive early detection method for pancreatic, ovarian, and lung cancer that costs 3 cents and takes 5 minutes to run. Now completing his MS in Electrical Engineering at Stanford, Andraka conducts research on nanorobots, inexpensive biosensors, disease diagnostics, and global health interventions while serving as faculty at the Stanford Anesthesiology Summer Institute. Outside of research, Jack has worked on combining anthropology, engineering, and big data to address pressing global health challenges, particularly in the monitoring of environmental contaminants and disease outbreaks. His latest work involves utilizing inexpensive paper biosensors to crowdsource environmental monitoring in Tanzania and track COVID-19 and other epidemics through wastewater.

Andraka's groundbreaking results have earned him international recognition, most notably the 2018 Truman Scholar Award, the 2014 Jefferson Award, the nation's most prestigious public service award, the Intel Science Fair Winner for 2012, the Smithsonian American Ingenuity Award, the Out 100, White House Champion of Change in Open Science, Time Magazine's 30 under 30, a Bill & Melinda Gates Foundation Goalkeeper, and Advocate Magazine's 40 under 40 award. In addition, Andraka was First Lady Michelle Obama's personal guest at the 2013 State of the Union Address. ...

**Jack Andraka**

### Speech Topics

- Virtual Keynotes
- University/College
- Technology
- Healthcare
- COVID-19
- Cancer



## Testimonials

"He was amazing! Highly engaged and a key part of what made our event such a success."

- Anonymous.

"Jack's story had the desired effect to shock our leaders out of their complacency about disruption. We need to remove our limiting beliefs about what 'can't' be done and choose to believe we can... which is what Jack's story so brilliantly points out. His curiosity and diligence were inspiring."

- Group Talent and Communications Director.