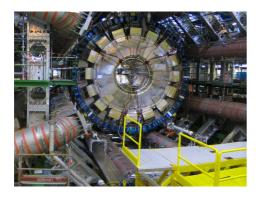


Student programmer wins CERN openla

Marc Saltzman, Special for USA TODAY 9:16 a.m. EST November 16, 2015



If you were tasked with choosing the ultimate grand prize for a

A million dollars? Nah. Lunch with PC pioneer Bill Gates? Ho-h

Instead, it would likely be an internship at CERN openlab, one research centers on the planet.

(Photo: CERN)

Based in Geneva, CERN houses the world's largest particle ph Hadron Collider (LHC), plus it's the birthplace of the World Wid

facility that encourages experimentation and collaboration to solve data-intensive challenges.

Mathieu Gravey, a 25 year-old university student in France, has won this coveted grand prize from the In partnership with CERN openlab.

"This is very, very exciting," says Gravey, in a Skype video interview with USA TODAY. "It's the opportunit famous international research centers."

"I hope to meet interesting scientists, while acquiring and developing new skills under them," adds Grave edge technologies are key fields of study for years to come."

The challenge

Available only to students, this international coding contest challenged students to optimize code used to

In particular, the software focuses on simulating the development of a normal and diseased brain, in order for neurodevelopmental brain disorders, such as epilepsy, autism, and schizophrenia.

This code is part of an existing CERN openlab research project, in collaboration with Newcastle University programming" framework to help accelerate research among multiple scientists.

Students who entered the Intel Modern Code Developer Challenge were tasked with optimizing the code researchers to make life-changing scientific breakthroughs faster.

Out of the roughly 2,000 students, representing 130-odd universities across 19 countries, Gravey submit internship at CERN openlab in 2016.

"Brain simulation is very interesting and it might be the future of informatics," says Gravey. "Nowadays, s before; the link between computer and biology is also getting stronger."

Gravey maintains his biggest challenge was "diving into code that you haven't written, plus this kind of al optimizations were performed through an iterative process."

Perhaps he's just being modest: according to Intel, Gravey improved the performance of the code by a w