



***At TechFarms, We Strive to Help Your Ideas Thrive***

TechFarms is a business incubator focusing on the technology sector. We provide entrepreneurs a place to make their ideas real, with office and makerspace, equipment, prototyping facilities, business and technical mentoring, and more.

[Read More](#)

## July 2018

Follow TechFarms through each month of new growth and stay up to date on the latest tech news in our area and around the world.

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***"An essential aspect of creativity is not being afraid to fail."***

*- Edwin Land, Inventor of the Polaroid Camera*

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**Featured at TechFarms**



## Inside the World of 3D Printing

In a world where instant gratification and technology have taken over, it's no surprise that 3D printers have seen a surge in sales. 3D printing is no longer a concept of the future; these machines are now mass-produced and a basic model can be purchased for \$200 or less. To some, this is still a thing of disbelief: the idea that a gear or an action figure or even a circuit board can be mimicked or designed and printed all from one machine certainly seems like a faraway concept; one that is still reserved solely for commercial labs or research.

But the future is here. And at TechFarms, we are living it.

The true birth of 3D printing first began in 1981, when a Japanese scientist applied for a patent, but was denied after failing to file the patent requirements before the deadline. At that time, the concept was known as *rapid prototyping*, and would not be widely referred to as 3D printing until around 1986. It was then that the first successful patent was secured by an American inventor named Chuck Hull and in 1987, his first 3D printing machine was developed.

TechFarms tenant, Sean Hoffman, has been evaluating our newest printer – the Ultimaker 3 Extended addition which features dual print heads that allow simultaneous printing of two different types of materials. Sean and other tenants have been printing a wide variety of items using various filaments and have been impressed with the results.

“The basic idea is that you’re printing things in 3 dimensions instead of 2,” he answered when asked how he would describe 3D printing to a novice. “Regular printers print on a flat sheet of paper. 3D printers would print that sheet of paper from plastic, but add sides.”

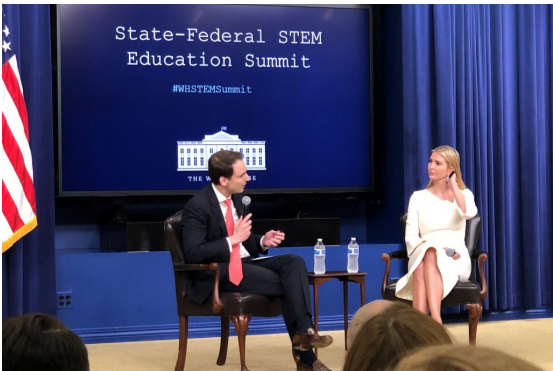
For full article, click [here](#).

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## White House STEM Education Summit 2018

TechFarms CEO, Steve Millaway, represented Florida at an exclusive STEM Education event hosted by the White House on June 25<sup>th</sup> and 26<sup>th</sup>. Over 200 STEM Leaders from all 50 states, all five territories, and several tribes, attended this event to discuss the importance of STEM Education and to help develop a new 5-year strategic plan.



***Pictured left:*** Michael Kratsios, Tech Advisor to President Trump; Ivanka Trump, First Daughter. Photo courtesy of TechFarms.



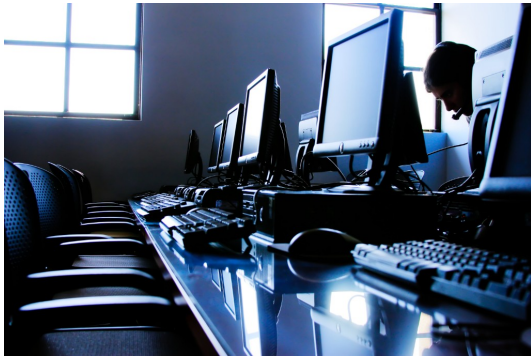
***Pictured right:*** David Skorton, Secretary, Smithsonian Institution; Joan Ferrini-Mundy, Chief Operating Officer, NSF; Jim Bridenstine, Administrator, NASA; Betsy DeVos, Secretary, US Department of Education. Photo courtesy of TechFarms.

The Summit heard from an array of speakers, most notably Ivanka Trump, Michael Kratsios, and Betsy DeVos, all pictured above with their respective titles. Other speakers included officials from NASA and NSF. Key takeaways are cited as forging stronger connections for students between education and work, focusing on innovation and entrepreneurship, integrating computer science principles across the educational experience, and improving access of STEM programs for all Americans.

To read more, click [here](#).

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## Upcoming Events



### **SOLIDWORKS Class**

July 24, 6:00pm-8:00pm  
TechFarms, Panama City Beach, FL  
TechFarms is hosting its first SOLIDWORKS Class, geared toward beginners and touching on the basics of the program. Only 10 spots are available for this class. Register [here](#).



### **Social Media Business Training Class**

Mondays in July, 5:30pm-7:30pm  
GCSC, Student Union East  
Classes that will teach you how to utilize social media to grow your business and maximize your reach to potential consumers. For more information and to register, click [here](#).



### **Computer Programming Educational Workshop**

Monday-Friday, July 16-20, 9:00am-2:00pm  
GCSC, ATC Building  
Learn how to write computer programs using Python. Age: Tweens & Teens. For more information and to register, click [here](#).

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## **News**



### **Jaguar Breaks World Record With A Small Electric Boat**

Jaguar & Williams Advanced Engineering have developed a small, electric boat that has broken the previous maritime speed record.

### **Branch Networks Deploys**

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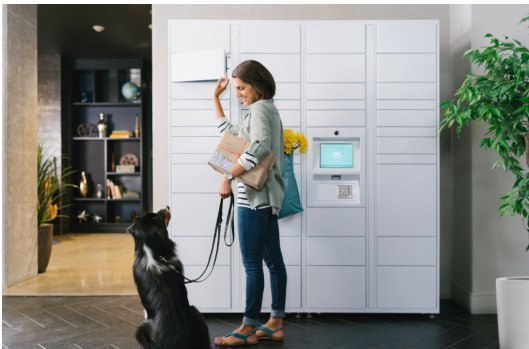
## Internet Access for International Event

TechFarms tenant, Branch Networks, was selected to provide internet for the 2018 International RoboBoat competition in Daytona, FL. To read more click [here](#).



## Boeing Announces Finalists For \$2 Million Global Competition

Boeing's "Go Fly" Contest, encouraging people to design their own personal flying device, has announced its finalists. To read more, click [here](#).



## Amazon Announces Hub Delivery Lockers

Amazon launches hub delivery lockers for apartment buildings across the country, saving over 500,000 residents from having to leave work for scheduled home deliveries. To read more, click [here](#).

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## Featured Tech Product

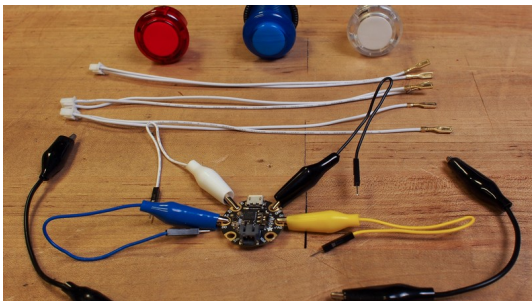


### Satechi Multiport Adapter with 4K HDMI

This groundbreaking adapter adds a plethora of connections to your laptop or desktop from just one USB Type-C port. Connections include 4K HDMI, pass-through charging, Ethernet, three USB Type-A Ports, and SD and Micro SD Card slots. For more info, click [here](#).

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# Monthly Project



## Adafruit Mini Pinball Table

Use CircuitPython and the Gemma M0 to control iPad pinball built into an extruded aluminum mini table. For the tutorial, click [here](#).

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# Next Month



Learn more about **RoboNation's** mission and how they're working with students to find innovative solutions to global challenges.

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