WOLFRAM

Dear HackIllinois Participant:

We're pleased to be sponsoring HackIllinois by providing access to our latest technology---and I encourage you to take advantage of the technology to do a spectacular hackathon project. We will also have several mentors on-site – use them!

The core of our technology stack is the Wolfram Language, which builds on nearly 30 years of development, and represents a new direction in programming---that happens to be absolutely ideal for hackathons.

The big thing about the Wolfram Language is that it's optimized to make it easy to write small amounts of code that do spectacular things. And what makes this possible is that the Wolfram Language has immense amounts of knowledge about computation and about the world built into it---and my philosophy has always been to automate as much as possible, so that the process of programming and deployment becomes as easy as possible for humans.

We're in the early days of the Wolfram Language, so there's a lot of opportunity to do impressive new things with it. Our technology has long been used by all the top software and R&D organizations, and we're now starting to see lots of amazing things done with the Wolfram Language.

We've worked hard to make it easy to deploy anything you create in the language. You can use the Wolfram Programming Cloud **to create instant web apps and instant APIs, or to deploy to mobile**. The Wolfram Language is also bundled on the Raspberry Pi, where you can connect directly to hardware, including Arduino, etc.

If you've used Mathematica in school, you already know a lot about the Wolfram Language. But regardless, it's very easy to get started. If you want to get a sense of how quick it is to do interesting things, check out Wolfram Tweet-a-Program:
http://www.wolfram.com/language/tweet-a-program/

We've put together a general page of resources for hackathon participants:
http://www.wolfram.com/hackathons/

I hope you'll be able to do great things with our technology. Don't forget to tell us what you do:
http://community.wolfram.com/content?curTag=wolfram%20language

And don't forget our intern and mentorship programs
http://www.wolfram.com/company/careers

Good luck with your project!

--- Stephen Wolfram