

# Academic Excellence in the Post MOOC Era: Lessons Learned on Technology Best Practice



**Paul Kim, PhD.**

**Chief Technology Officer & Assistant Dean  
Stanford University**

**Graduate School of Education**

[phkim@stanford.edu](mailto:phkim@stanford.edu)



UWI



# Stanford University



# Study: Stanford Entrepreneur Companies Generate \$2.7 Trillion in Revenue Annually

ARTICLE

COMMENTS (1)

STANFORD

Email Print



By MATTHEW LYNLEY

Stanford University sits right in Silicon Valley's backyard — so it seems like no coincidence that its graduates generate \$2.7 trillion in revenue annually, according to a new study.

Stanford entrepreneurs have created more than 5.4 million jobs in the form of tech giants like **Google**, **Hewlett-Packard** and **Cisco Systems**, according to the study.

The study, led by two Stanford professors, consisted of a massive survey of Stanford degree-holders from the 1930s to the present, of which there were more than 27,000 responses.



— Getty Images Larry Page is a Stanford alumnus, and his company generates billions of dollars.

Survey on students in 1930-2010

Stanford entrepreneurs created more than 5.4 million jobs in 40,000 companies leading to generate \$2.7T annually.

- Sergey Brin and Larry Page, co-founders of **Google**
- Jerry Yang and David Filo, co-founders of **Yahoo**
- Reed Hastings, CEO of **Netflix**
- Reid Hoffman, co-founder of **LinkedIn**
- Vinod Khosla, a prominent venture capitalist
- Peter Thiel, co-founder of **PayPal** and a prominent venture capitalist
- Phil Knight - **NIKE**





Google



YAHOO!

ebay™

facebook



LinkedIn



PayPal



Adobe

ORACLE®

NETFLIX

Symantec

AMD





- **Technology has been a major driver of economic development world-wide.**
- **A new sector is riding on the technology sector growth.**

# YTD 2013 – \$1B Invested in Education Ventures

coursera

U  
UDACITY

schoolology®  
learn. together.

  
lynda.com

open english

Chegg®

educreations

k<sup>12</sup>

ACCEL®  
PARTNERS

TCV  
TECHNOLOGY CROSSOVER VENTURES

sequoia capital

KPCB  
Engineering Fellows

ANDREESSEN  
HOROWITZ

More vibrant education entrepreneurship activities than ever...



In 2014, investment in education ventures jumped to **\$2B.**

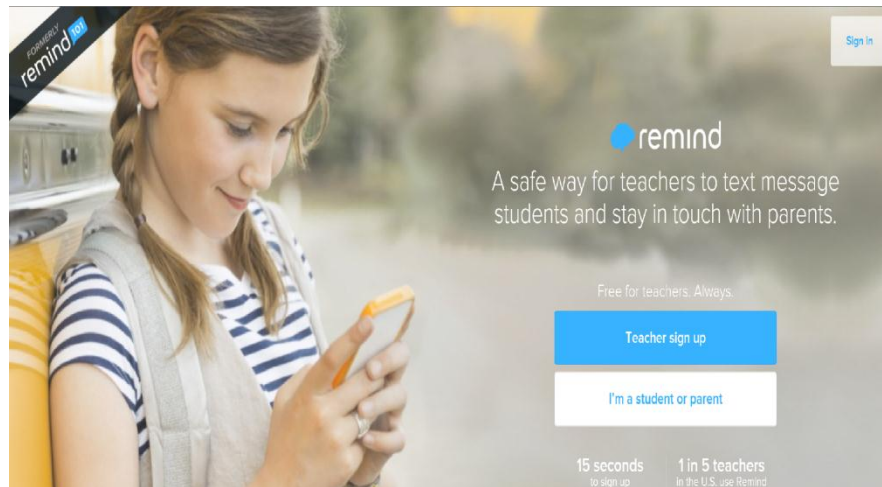
### Pluralsight \$135M (techie online training )

The screenshot shows the Pluralsight website homepage. At the top, there is a navigation bar with the Pluralsight logo and links for 'Digital-Tutors' and 'Code School'. Below this is a search bar and a 'Sign in' button. The main content area features a large banner with the text 'Unlock access to the world's largest tech & creative training library' and a prominent orange 'Sign up now' button. Below the banner, there are three user role selectors: 'I'm an individual', 'I'm a business', and 'I'm a school'. At the bottom, there are four category tiles: 'Spotlighted courses', 'IT administrator', and 'Learning paths'.

### Minerva \$70M (premium blended education )

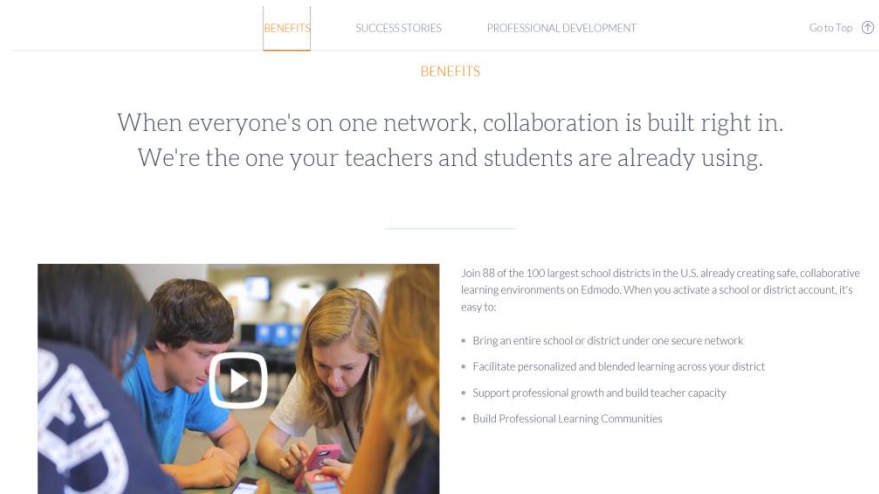
The screenshot shows the Minerva Schools at KGI website. The header includes the Minerva Schools at KGI logo and an orange 'Apply' button. A navigation menu is visible with options for 'Home', 'Overview', 'Academics', 'Faculty', 'Student Life', and 'Admissions'. Below the navigation, there is a large image of a couple standing on a grassy area overlooking a city skyline. To the right of the image, the text reads 'How will you define your future?' followed by a paragraph describing the school's focus on interdisciplinary learning in San Francisco. Below the main image, there is a row of four smaller images showing various campus scenes.

## REMIND \$40M (messaging - \$40 million)



65M reminders /mo. sent (10M users)

## EDMODO \$30M (social learning platform - \$30 million)



Assignment, alert, progress bar, badges, etc. (50M users)

What seem popular are solutions around **self-regulatory skills**



**What helped develop such investment interests?**



# REVOLUTION

Access and learn curated **free courses** from well-known universities



STANFORD UNIVERSITY



Your place to learn real world skills online.

What do you want to learn today?



Search for online courses on Web development, Yoga, Guitar lessons, or anything else.



Over 6 million students.



More than 25,000 courses!



Learn at your pace on any device.

ALL COURSES

ART HISTORY 400-1300 MEDIEVAL ERA

A Beginner's Guide to the Medieval Period

- Introduction
- Medieval and Byzantine Art**
- A New Pictorial Language: The Image in Early Medieval Art
- Iconoclasm
- Medieval Manuscripts
- Religious Art
- Beginner's Guide to Medieval Art

# Medieval and Byzantine Art

A video from the Utah System of Higher Education (with special thanks to Dr. Nancy Ross). Video by Ydraw.

**Free & Readily Available**



Learning Analytics  
Adaptive Learning Path

Have they really flipped the education model?

**Watch videos**

⏸ 🔊 0:46 / 5:08 ⚙️ ⌚ 🗑️

⚙️ Options ▾ 🔄 Share ▾ ⓘ Info **110 of 750**

Questions Tips & Feedback

Top Recent Discuss the site

**One of many problems...**

If a student has been in a one-way-stream learning environment for **12 years**, don't expect the student to suddenly become a **self-motivated and self-regulated student** who might take advantage of any alternative education option of any kind.





## Applied Cryptography

## Bite-size short lecture videos

CLASSROOM



Problem Set 1 ▾

Average Completion Rate: Below 13%

CS 387  
Homework 1

- Regular homework questions  
multiple choice, enter number or string  
programming → not submitting code
- Open discussion problems  
design, analyzing

[Watch videos](#)

Introduction

Previous

Next

## Discussions

[See All](#)

## Instructor Notes

Encryption

Jun 27

No additional notes for this section

ABOUT

PROGRAMS

PAYING FOR SCHOOL

ADMISSIONS

STUDENT EXPERIENCE

ACADEMIC SUPPORT

INFO FOR

**A BRIGHTER FUTURE  
STARTS WITH A  
DEGREE FROM  
KAPLAN UNIVERSITY.**



**“Video lectures alone do not create the best learning opportunities but empathy and guided examples do...”**



# The World's Largest Online Bootcamp

Reminding, Coaching, Modeling, Mentoring, Motivating...

with programs in Web Development, Mobile Development, and Design

**Start**

Individualized path

**Completion 96%**



### BUILD REAL APPLICATIONS

No more video-tutorials. Instead, create and deploy fully-functional apps for your portfolio.



### EXPERIENCED MENTORS

Meet weekly, 1-on-1, with an experienced mentor vested in your success.



### TAILORED TO YOU

Flexible, full-time or part-time options to accommodate your schedule.

# **Results of MOOCs and MOOC Variants**





**STAMP OF  
APPROVAL**

**After decades of debates**, has online education become a legitimate mode of education?



**A lot more data generated to do all kinds of analyses...**





# MOOCs Evolving



Learn. Collaborate. Innovate.



## The Venture-lab Team

Team Closed  
 5 members  
 1 pending  
★ Education  
★ Web Technologies

- Contact
- Leave
- Edit
- Open
- Step Down
- Help

### Description

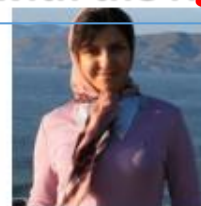
We are the [venture lab team](#).

**Team-based Learning**  
**Team Projects**  
**Peer Evaluation as Learning**  
**Active Participation = Higher Reputation = Better Learning Outcomes**

### Team Members ( 5 members )



✓ **Amin Saberi** (Team Lead)  
✉ [amin.saberi@gmail.com](mailto:amin.saberi@gmail.com)



✓ **Farnaz Ronaghi**  
✉ [farnazronaghi@gmail.com](mailto:farnazronaghi@gmail.com)  
🏠 United States  
🕒 More than 10 hours/week  
★ software, internet, mobile  
♥ founding a firm



✓ **Joseph Wen**  
✉ [wenjoseph88@gmail.com](mailto:wenjoseph88@gmail.com)



📍 **Chuck Eesley**  
✉ [cee@stanford.edu](mailto:cee@stanford.edu)  
🏠 United States  
🕒 1-2 hours/week

**Are you with the right crowd?**

**Forming and working with the right group has become more important than working hard alone...**

# Is

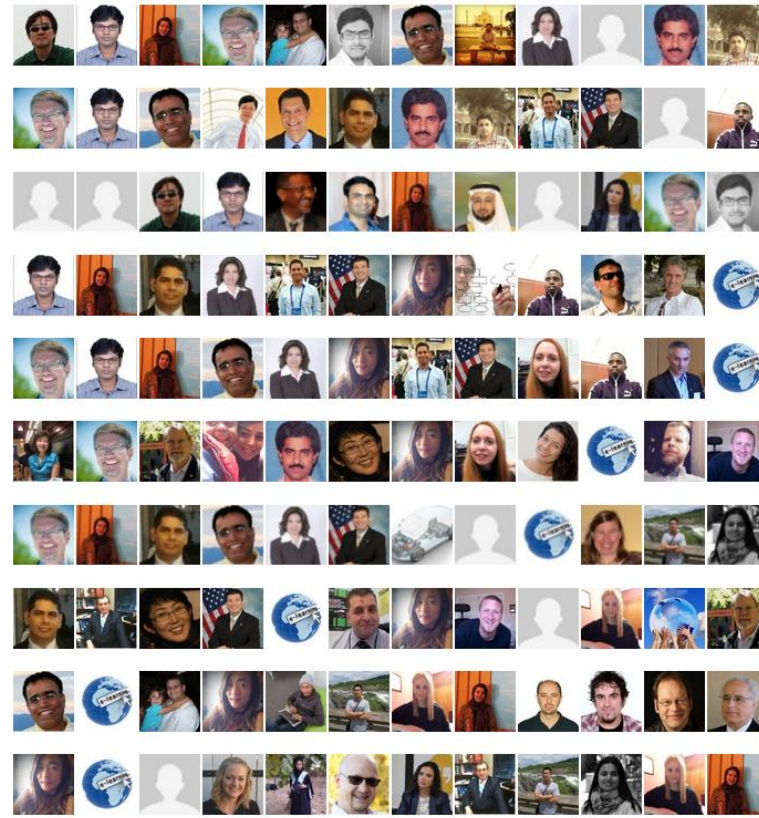


# In a Global Registrar's

## Skills & Endorsements

### Top Skills

- 99+ E-Learning
- 88 Educational Technology
- 66 Higher Education
- 48 Distance Learning
- 39 Instructional Design
- 30 Entrepreneurship
- 27 Teaching
- 25 Leadership
- 24 Information Technology
- 22 Instructional Technology



RIVER HILLS COMMUNITY COLLEGE											
Inver Hills Community College Undergraduate Academic Record 2000 East 60th Street Inver Grove Heights, MN 55126-3224											
Name: Grimes, Donna						Date of Issue: 09/26/2000					
Award Name: ASSOCIATE DEGREE						Page: 1 of 1					
Awarded on: 05/17/95						Student Campus ID: 0006299					
Major: BUSINESS MGMT - ACCOUNTING											
**** Inver Hills Community College ****											
Subj	Nbr	Title	Course	Grade	Credits	GPA	Subj	Nbr	Title	Course	Grade
Fall 72											
Major: Special Student											
Undergraduate Transfer - Freshman											
BUS	0055	Bus. Law	4.00	A	4.00	4.00	BUS	0074	Business Math	3.00	C
BUS	0056	Bus. Math	1.00	A	1.00	1.00	BUS	0075	Prin. & Inv.	3.00	A
BUS	0751	Intro. to Bus.	4.00	A	4.00	4.00	BUS	0076	Prin. & Inv.	3.00	A
BUS	0211	Prin. of Acct I	4.00	A	4.00	4.00	BUS	0077	Prin. & Inv.	3.00	A
ENG	0701	English Comp I	4.00	A	4.00	4.00	BUS	0078	Prin. & Inv.	3.00	A
UNCG	Term Att:	17.00	17.00	GPA Crs:	17.00	GPA Pts:	60.00	GPA Crs:	17.00	GPA Pts:	31.00
****	Sum Att:	17.00	17.00	GPA Crs:	17.00	GPA Pts:	60.00	GPA Crs:	17.00	GPA Pts:	31.00
****	Term Att:	17.00	17.00	GPA Crs:	17.00	GPA Pts:	60.00	GPA Crs:	17.00	GPA Pts:	31.00
****	Sum Att:	17.00	17.00	GPA Crs:	17.00	GPA Pts:	60.00	GPA Crs:	17.00	GPA Pts:	31.00
Winter 73											
BUS	0051	Marketing	4.00	A	4.00	4.00	BUS	0079	Prin. & Inv.	3.00	A
BUS	0066	Business Admin	4.00	A	4.00	4.00	BUS	0080	Prin. & Inv.	3.00	A
BUS	0212	Prin. of Acct II	4.00	A	4.00	4.00	BUS	0081	Prin. & Inv.	3.00	A
ENG	0027	Literature	4.00	A	4.00	4.00	BUS	0082	Prin. & Inv.	3.00	A
SPCH	0110	Speech	1.00	A	1.00	1.00	BUS	0083	Prin. & Inv.	3.00	A
SPCH	0110	Fund of Speech	3.00	A	3.00	3.00	BUS	0084	Prin. & Inv.	3.00	A
UNCG	Term Att:	17.00	17.00	GPA Crs:	17.00	GPA Pts:	60.00	GPA Crs:	17.00	GPA Pts:	31.00
****	Sum Att:	34.00	34.00	GPA Crs:	34.00	GPA Pts:	109.00	GPA Crs:	34.00	GPA Pts:	109.00
****	Term Att:	17.00	17.00	GPA Crs:	17.00	GPA Pts:	60.00	GPA Crs:	17.00	GPA Pts:	31.00
****	Sum Att:	34.00	34.00	GPA Crs:	34.00	GPA Pts:	109.00	GPA Crs:	34.00	GPA Pts:	109.00
Spring 74											
BUS	0058	Man. Rel. & Org.	3.00	B	3.00	3.00	BUS	0085	Prin. & Inv.	3.00	A
BUS	0059	Intro. Data Proc.	3.00	A	3.00	3.00	BUS	0086	Prin. & Inv.	3.00	A
BUS	0060	Business Admin	1.00	A	1.00	1.00	BUS	0087	Prin. & Inv.	3.00	A
BUS	0213	Prin. of Acct II	4.00	A	4.00	4.00	BUS	0088	Prin. & Inv.	3.00	A
UNCG	Term Att:	12.00	12.00	GPA Crs:	12.00	GPA Pts:	40.00	GPA Crs:	12.00	GPA Pts:	39.00
****	Sum Att:	46.00	46.00	GPA Crs:	46.00	GPA Pts:	109.00	GPA Crs:	46.00	GPA Pts:	109.00
****	Term Att:	12.00	12.00	GPA Crs:	12.00	GPA Pts:	40.00	GPA Crs:	12.00	GPA Pts:	39.00
****	Sum Att:	62.00	62.00	GPA Crs:	62.00	GPA Pts:	199.00	GPA Crs:	62.00	GPA Pts:	199.00
SS 75											
BUS	0089	Bus. Internship	6.00	A	6.00	6.00	BUS	0090	Prin. & Inv.	3.00	A
UNCG	Term Att:	6.00	6.00	GPA Crs:	6.00	GPA Pts:	24.00	GPA Crs:	6.00	GPA Pts:	24.00
****	Sum Att:	52.00	52.00	GPA Crs:	52.00	GPA Pts:	173.00	GPA Crs:	52.00	GPA Pts:	173.00
****	Term Att:	6.00	6.00	GPA Crs:	6.00	GPA Pts:	24.00	GPA Crs:	6.00	GPA Pts:	24.00
****	Sum Att:	58.00	58.00	GPA Crs:	58.00	GPA Pts:	197.00	GPA Crs:	58.00	GPA Pts:	197.00
Career Undergrad Summary - Quarter Hours											
Level: ATT: 106.00 Earn: 93.00 GPA Crs: 302.00 GPA Pts: 3.24											
Transfer: ATT: 0.00 Earn: 0.00 GPA Crs: 0.00 GPA Pts: 0.00											
TOTAL: ATT: 106.00 Earn: 93.00 GPA Crs: 302.00 GPA Pts: 3.24											
*** END OF ACADEMIC TRANSCRIPT ***											



**badges = visual representations of a skill or achievement**

mozilla



# Increasingly Important Net Competencies

- Know how to search intelligently
- Know who knows and can do what
- Know how and when to approach
- Know how to present and persuade
- Leverage networks at the fullest extent
- Delegate, yet make it a win-win for all
- Use the right tools proficiently and timely



**Net Competencies + Domain Knowledge = 21<sup>st</sup> Century Workforce**

The more you connect, share, or search,  
**THEY** may know more about you than you do...



# The *Deep Learning* Race in the Industry



e.g., My search result is always different from yours... and my learning path, pace, and partners will be always different than yours...

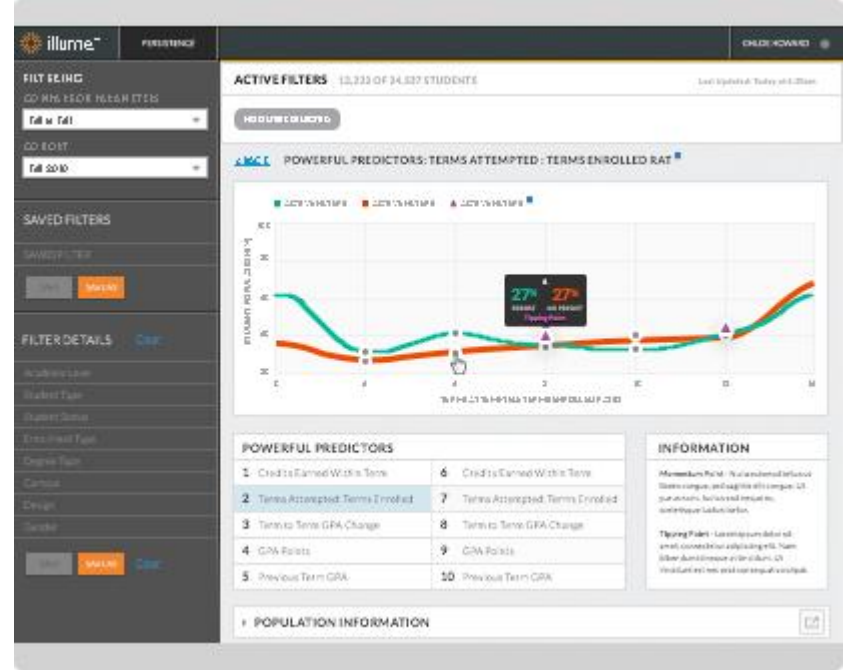




**Help Every Student Achieve Success**

We're accelerating adoption of our predictive analytics platform to help more students learn well and finish strong.

[Learn More](#)



## Education **Big** Data Analysis Service

- Digital Footprints
- Predictive Models
- Early Warning Signal Detection

Who's talking about us



University of Maryland University College

"We have seen an increase in cross-functional teams using predictive analytics at UMUC. This growing, collaborative culture is helping us to better serve our students, from the time they apply to the time they graduate."

— Darren Catalano, Vice President for Analytics, University of Maryland

Tweets

Civitas Learning @CivitasLearning 2h  
Glad to be part of this convo@UTexasMcCombs Business for Good Summit - our CEO shared Million More Mission!

In the future, when you know so much about what and how I write, discuss, select, speak, present, and evaluate **in real-time**, will we need standardized tests?



**Overall, digital future in higher education is obvious and will be phenomenal.**

**What may be persistent issues...**

# **Displaying or Delivering Doesn't Mean Learning is Taking Place...**

**Passive Learning, Mostly One-way Transmission, Not So Much Higher Order Learning...**



**Creating**

**Evaluating**

**Analyzing**

**Applying**

**Understanding**

**Remembering**

**Understanding**

**Remembering**

**Promote Higher Order Learning**

**Enable Deep Learning**



**in teams**

**Mobility, Social Networking, Higher Order Learning, Deep Learning, & Gamification**

# SMILE (Stanford Mobile Inquiry-based Learning Environment)





## Every student is engaged



S. Korea. Medical University - BYOD  
Moving from lecture-centered to  
student interaction-centered model.  
Developed local evaluation rubrics.

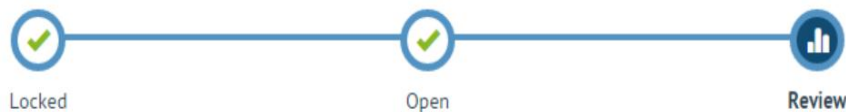


- SMILE on Local Issues
- Relevancy
- Real-World Problems & Solutions
- Team Discussions



# El Turismo en La Guajira

2 active users



Questions   Results   Resources   Settings

+ Create a Question

Session Progress

Created	Answered	Accuracy
1	0	0
questions	questions	percent

Edit Delete

< Previous Next >

jair salcedo asks:

¿Siendo La Guajira un departamento bien posicionado geográficamente, con diversidad de culturas y vegetación, se encuentra estancado en el turismo?. Seleccione las respuesta correctas

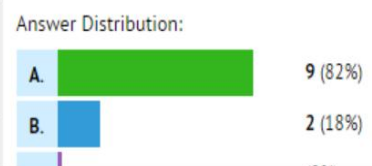
Showing 1 - 10 of 22 questions

- Con los esfuerzos realizado por los actores responsables del control del desarrollo turístico en la guajira, consideras ... ★★★★☆  
Answered by 9
- ¿Que aspectos debemos tener en cuenta para explotar al máximo el turismo en La Guajira? ★★★★☆  
Answered by 11
- Teniendo en cuenta la riqueza natural de la región guajira colombiana y su potencial turístico, ¿cuál considera, de los ... ★★★★☆  
Answered by 11
- Los actores turísticos de la Guajira tienen una visión limitada del turismo debido a: ★★★★☆  
Answered by 14
- Podemos afirmar que la guajira es un paraíso turístico a nivel de Colombia, considerando la seguridad? ★★★★☆  
Answered by 13
- Como todos sabemos existe un gran potencial turístico en la guajira, sin embargo nos encontramos con que no se aprovech... ★★★★☆  
Answered by 14
- La guajira es un departamento ★★★★☆

- A. Falta de liderazgo y empoderamiento de las entidades gubernamentales
- B. Falta de compromiso del pueblo Guajiro
- C. Existen otros sectores de mayor interés para el desarrollo
- D. Los indigenas están cerrados al turismo (sin capacitacion) e impiden su desarrollo

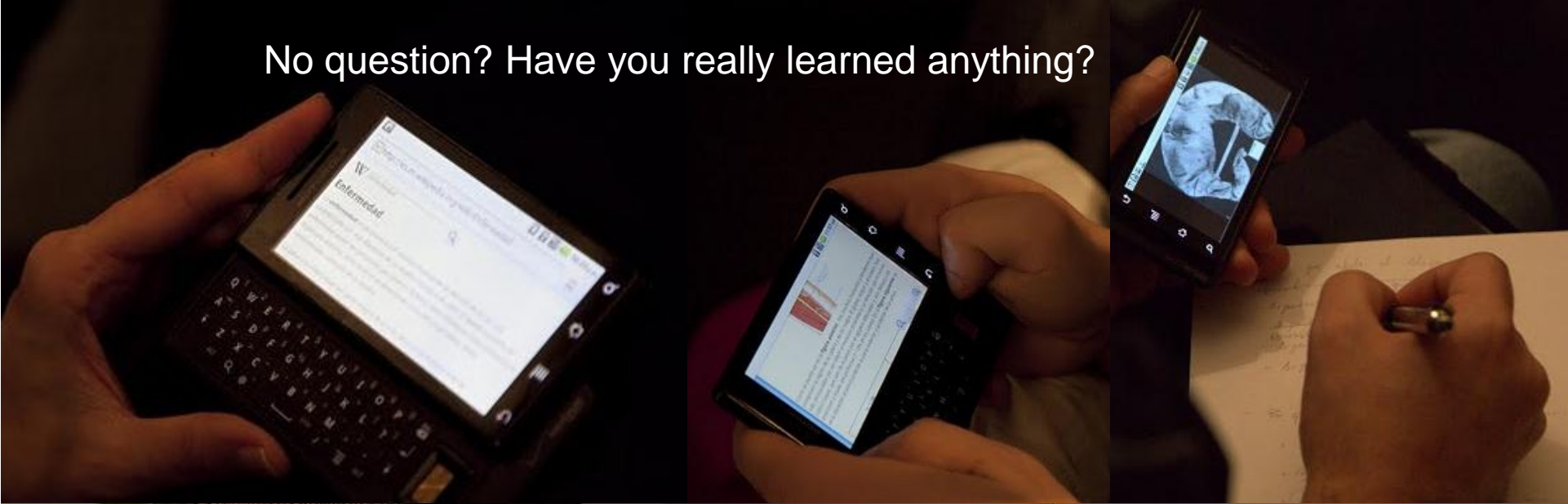
Rate question: ★★★★★

Submit Answer





No question? Have you really learned anything?





**SALIDA**





# Local Problems and Solutions Identified





## Results table

Display  recordsSearch: 

Name	Username	Questions Created	Questions Answered	% Correct	Avg. Rating Given
Stephanie Carrera	<a href="#">scarrera</a>	15	145	79%	2.6
Maria Gagliardo	<a href="#">MGAG87</a>	15	113	71%	2.8
C Urena	<a href="#">curena</a>	12	69	83%	2.5
Kristen Schel	<a href="#">KristenS</a>	11	137	80%	3.4
Earl Holder	<a href="#">eaj38</a>	9	157	60%	3.9
Kayla Eigner	<a href="#">keigner</a>	9	105	70%	3
Damien Beckinger	<a href="#">dbecking</a>	9	1	100%	-
Chana Haller	<a href="#">chani</a>	8	88	72%	2.9
Fatima Johara	<a href="#">fjohara</a>	8	35	74%	1
Angelo Newsome	<a href="#">anewsome</a>	6	90	79%	2.9

Showing 1 to 10 of 39 entries

## Progress bar (automated semantic analyses)

Critical thinking development

Question quality based on relevancy, originality, creativity, clarity, syntax, etc.

Question types (e.g., simple recall, simple arithmetic, analytical, multi-dimensional, etc.)

Subject matter augmentation, vocabulary expansion, etc.

Bridge between MOOCs and Learners in the under-developed regions.



Adhoc local area mobile learning network – content & application server + router + wifi + storage  
One button and runs on a battery



SMILE flips a traditional classroom into a highly interactive learning environment by engaging learners in critical reasoning and problem solving while enabling them to generate, share, and evaluate multimedia-rich inquiries.

[Enter »](#)



Wikipedia is the world's largest collaborative encyclopedia. This selection of articles for schools is searchable and contains 6000 articles, 26 million words and 50,000 images!

[Enter »](#)



KA Lite allows for blended learning opportunities using the core Khan Academy maths exercises.

[Enter »](#)



Colorful stories from the Bible. Check back daily for a new inspiring devotional.

[Enter »](#)



Create your own drawings and paintings!

[Enter »](#)



Free educational simulations covering a diverse selection of topics designed by the University of Colorado

[Enter »](#)



Snap! (formerly BYOB) is a visual, drag-and-drop programming language. It is an extended reimplementation of Scratch (a project of the Lifelong Kindergarten Group at the MIT Media Lab) that allows you to Build Your Own Blocks. It also features first class lists, first class procedures, and continuations. These added capabilities make it suitable for a serious introduction to computer science for high school or college students.

[Enter »](#)



The easy way to learn programming! Turtle Academy makes it surprisingly easy to start creating amazing shapes using the LOGO language.

[Enter »](#)



Repl.it is an online environment for interactively exploring programming languages. The name comes from the read-eval-print loop, the interactive toplevel used by languages like Ruby, Lisp and Python.

[Enter »](#)



Code Monster gets kids excited about programming. It is a combination of a game and tutorial where kids experiment with learning to code.



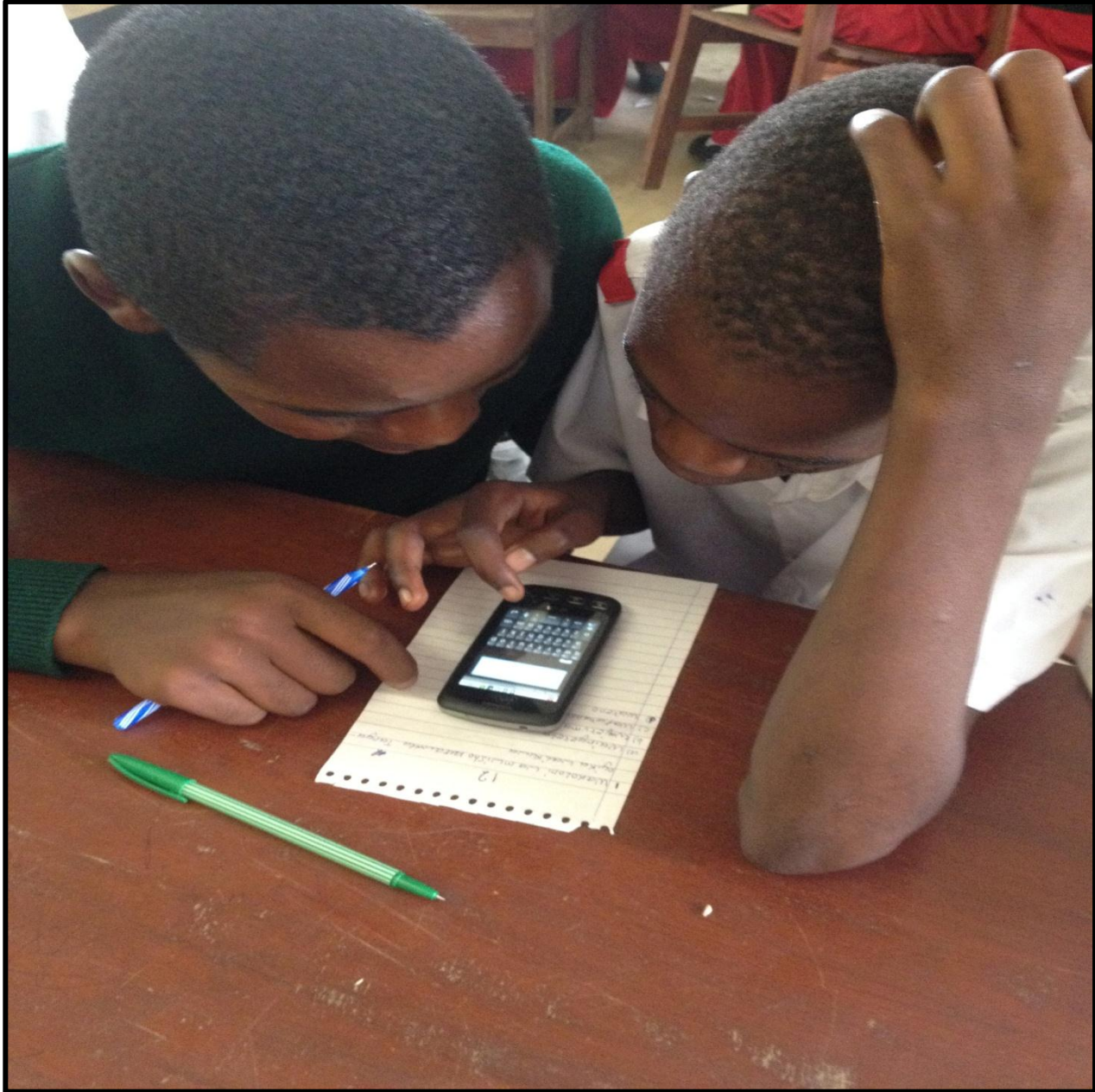
Children love to tell stories. However, in many places in the world, their creative voices are rarely heard or cultivated. The 1001 Stories Program conducts storytelling workshops that build on children's natural



High quality and curated Textbooks collection on STEM (Science, Technology, Engineering and Math) from ck12.org. PDF format.

[Enter »](#)






Questions in Swahili and English.  
No textbook. Only the teacher owns textbooks.

Learning English by creating questions with photos. (Bottom)

(Question created by 3)

Question: What is this?

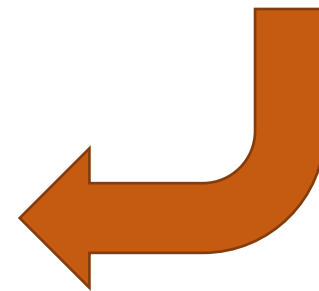


(1) Cow  
(2) Table  
(3) Chair  
(4) Bottle ✓

Correct Answer: 4

The image shows a screenshot of a digital interface for creating and answering questions. At the top, it says "(Question created by 3)". Below that is the question "Question: What is this?". In the center is a photograph of a clear plastic bottle with a red and yellow label. Below the photo are four multiple-choice options: (1) Cow, (2) Table, (3) Chair, and (4) Bottle. The option (4) Bottle is marked with a red checkmark. At the bottom, it says "Correct Answer: 4". The interface has a light blue border and a vertical scrollbar on the right side.





# **Lessons Learned:**

- **Learning & Assessment Take Place at the Same Time**
- **Evidence of Higher Order Learning**
- **Question Quality Improves Over Time**  
**(From Simple Recall to Critical Thinking Questions)**
- **High Engagement & Transparency**
- **Enabling Social & Mobile Learning Through BYOD**
- **Local Problems, Local Solutions, Local Empowerment**



# Any other lessons?

After visiting and meeting students of all ages in over 30 countries...

And teaching a 20,000-student MOOC...

**The millennial students, those earning higher-education degrees in the 21st century, walking through our doors don't just want to make money; they want to make a difference...**

Garth Saloner, the Philip H Knight Professor and Dean of Stanford Graduate School of Business

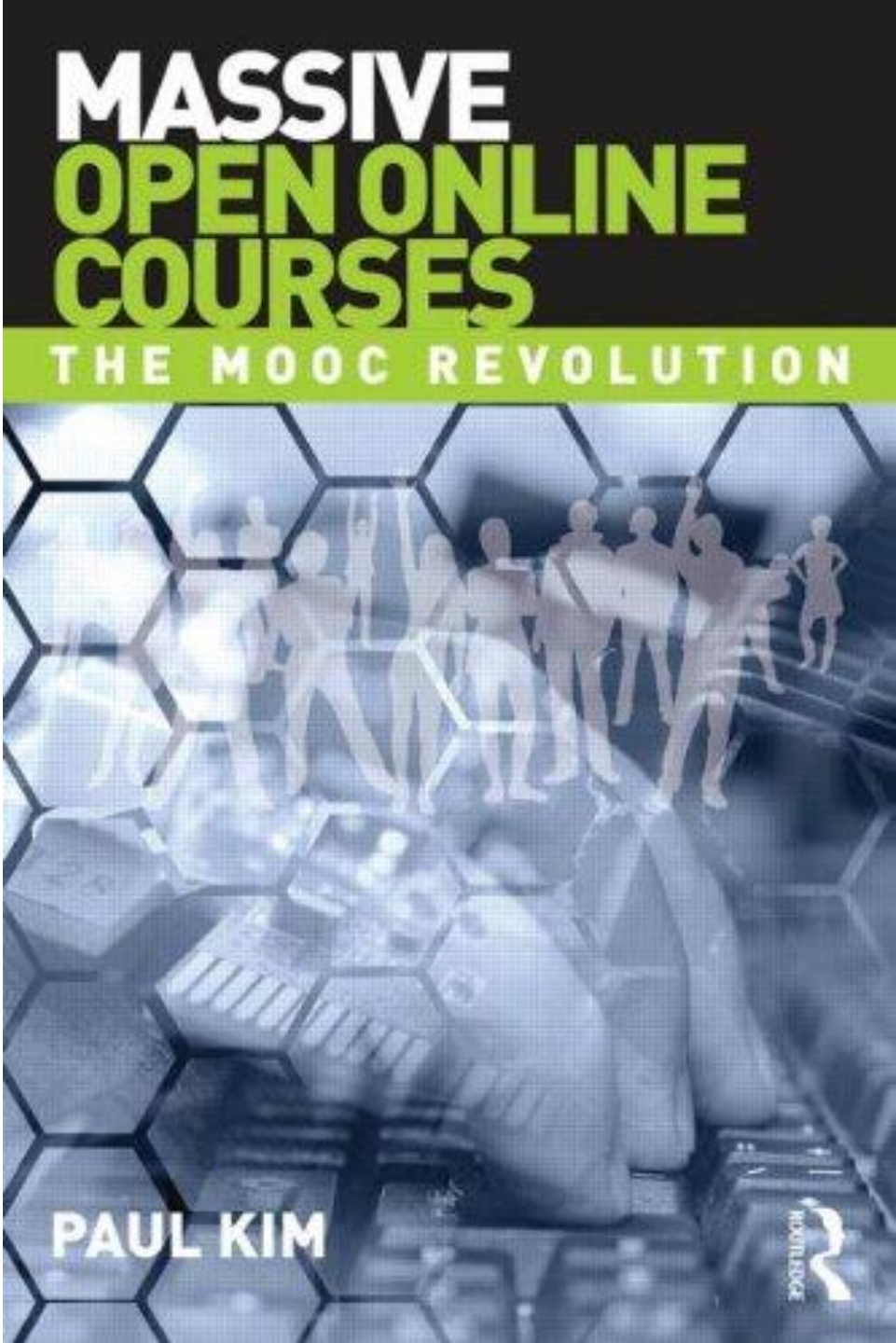




# Ellen Dong Yi

- 1992 - Born in Zhejiang, China
- 2010 - studied in Zhejiang University
- Taught Chinese in Cambodia
- Worked for Teach For China.
- 2012 - Attended Stanford open course: **Designing a New Learning Environment** and decided to devote myself in solving education problems in underserved communities.





New Media Consortium  
Goldman Sachs  
NovoEd  
Udemy  
and several education leaders

# Stanford ONLINE

## Designing a New Learning Environment

**INSTRUCTOR:** Paul Kim

Chief Technology Officer and Assistant Dean, School of Education,  
Stanford University

*October 19, 2012 - December 20, 2012*

*The next offering of this course will be in Spring 2013.*

Notify Me!



## The Course

What constitutes learning in the 21st century? Should reading, watching, memorizing be the only way to learn? Or could technology (used effectively) make learning more interesting?



首页 > 广告 > 斯坦福2012秋季开放课:设计全新教学环境

上传者: 黄宜宾

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关灯

what they can memorize. I'm envisioning a new learning environment. 56.com



能力不会比他们的创新能力更受重视。 在我设想的【全新教学



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Challenges – China, Mideast, social network sites banned, no YouTube access. (Use Youku, 56.com, etc.)



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- جامعة MIT
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## Low Bandwidth Media - All Lectures

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Hi,

because many participants in this class figured out problems watching the lectures because of the host (YouTube) or the available bandwidth, i've created low bandwidth versions of every lecture. Within the folders at DropBox and Google Drive, you will find videos (flv files) and only-audio versions (mp3 files, sized roundabout 50% of the videos ). I strongly recommend the Open Source [VLC-player \(portable version\)](#).

### Links

DropBox => [CLICK](#)

Google Drive => [CLICK](#)

### Available audio-only and video files

- DNLE Week 1 Designing a New Learning Environment
- DNLE Week 2 Guest Speaker University of Wolverhampton Professor John Traxler
- DNLE Week 2 Guest Speaker USC Professor Guilbert Hentschke
- DNLE Week 3 Needs Analysis
- DNLE Week 4 Technology, Content, Pedagogy, and Value
- DNLE Week 4 Learning Technology Design Principles I
- DNLE Week 5 Design Principles II
- DNLE Week 5 Design Principles III

### This will be updated every week!

If you are in need for different file-formats, please do not hesitate to ask for it.

Marc

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By [Marc Schnau](#) Posted 7 days ago.



## **How to Ignite Passion?**

**Present Relevant Problems**

**Link to Development Initiatives**

**Remain as a Coach**

## **When considering best practices...**

- Learning Skills & Self-Regulatory Skills
- 21st Net Competencies
- Learning and Assessment Taking Place at the Same Time
- Better Understanding Learners with Big Data
- Engage Students in Higher Order Learning
- Better Questioning is the Process & Outcome of Better Learning
- Passion Fuels Sustainable Learning and Engagement

**Innovation in education is hard and  
that's why we are doing it...**





liam o'callaghan - [http://thegoodroom.com/Site/chaos\\_and\\_dreams\\_yet\\_to\\_come.html](http://thegoodroom.com/Site/chaos_and_dreams_yet_to_come.html)

**SMILE** (Stanford Mobile Inquiry-based Learning Environment)

<http://smilelearn.Stanford.edu>

**Search and Join “UWI” Group**

**Make Questions**

**Add Comments**

**Evaluate Questions**

**Ask me about earning SMILE certificates.**

