

Rock Solid Technologies, Inc.
Eng. Ángel L. Pérez Galarza
Vice President

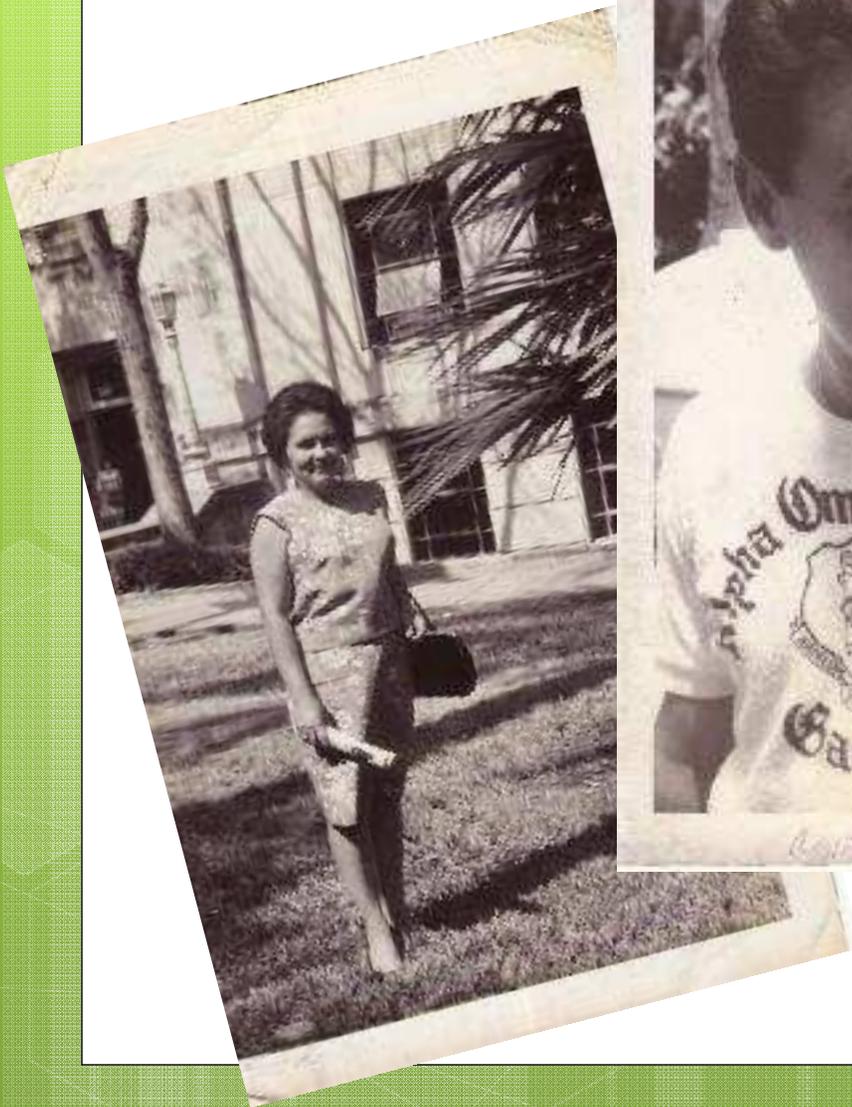
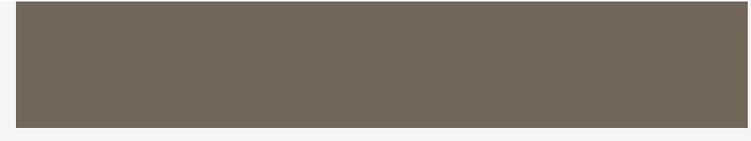


Software

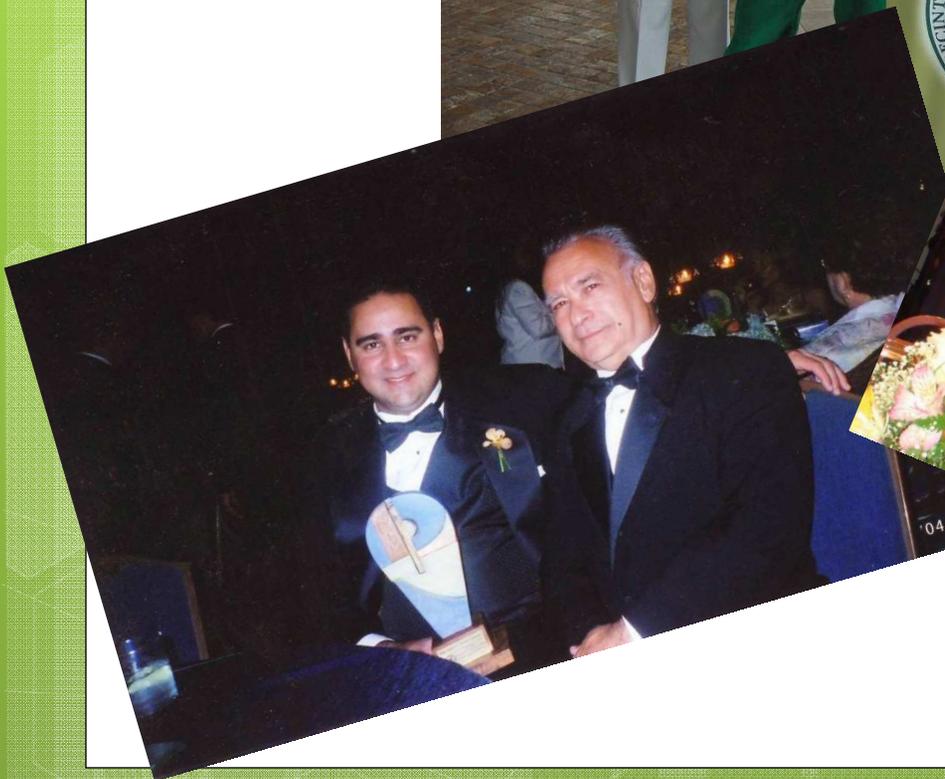
Engineering
in Puerto
Rico



Jan 25, 2012



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Rock Solid Technologies

www.rocksolid.com

- Software development and implementation firm
- About 50 Colegiales
- 100+ team members

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Microsoft
GOLD CERTIFIED
Partner



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- Contact Info

- Angel L. Pérez-Galarza

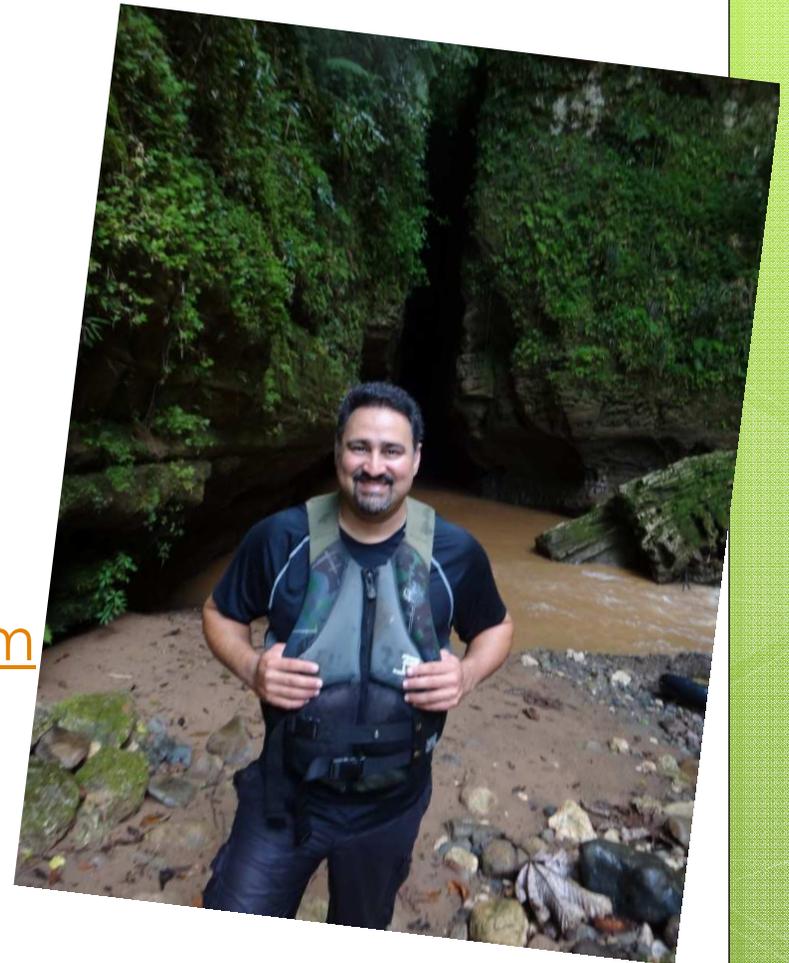
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Software engineering definition

- ... is concerned with software systems which are built by teams rather than individual programmers, uses engineering principles in the development of these systems, and is made up of both technical and non-technical aspects...

What is software?

- Programs
- Documentation
- Manuals
- Help files
- Licenses

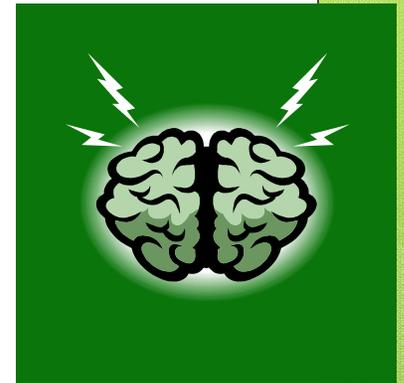


What is software engineering – my version?

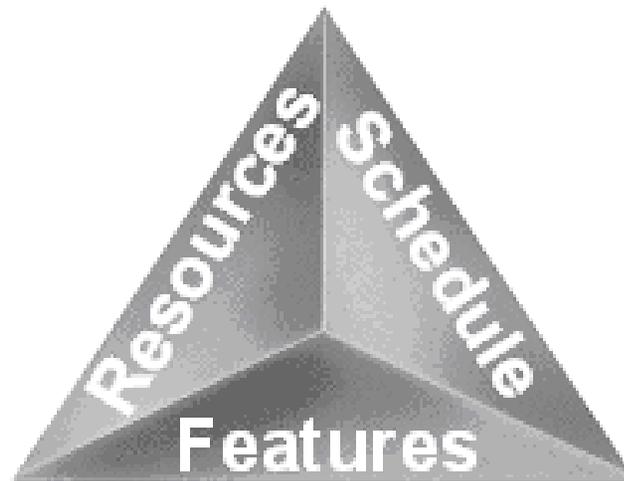
- Marketing
- Proposals
- Economic Analysis
 - ROI
 - TCO
- Sales
- Legal – Contracts
- Licensing
- Requirement Definition
- Prototype
- Risk Management



- Design
- Coding
- Testing
- More testing
- Training
- Implement
- On-site Support
- Help Desk
- Maintenance
- Enhancements
- Re-negotiate



Trade-offs Triangle



Tradeoff Matrix



Resources

Schedule

Features

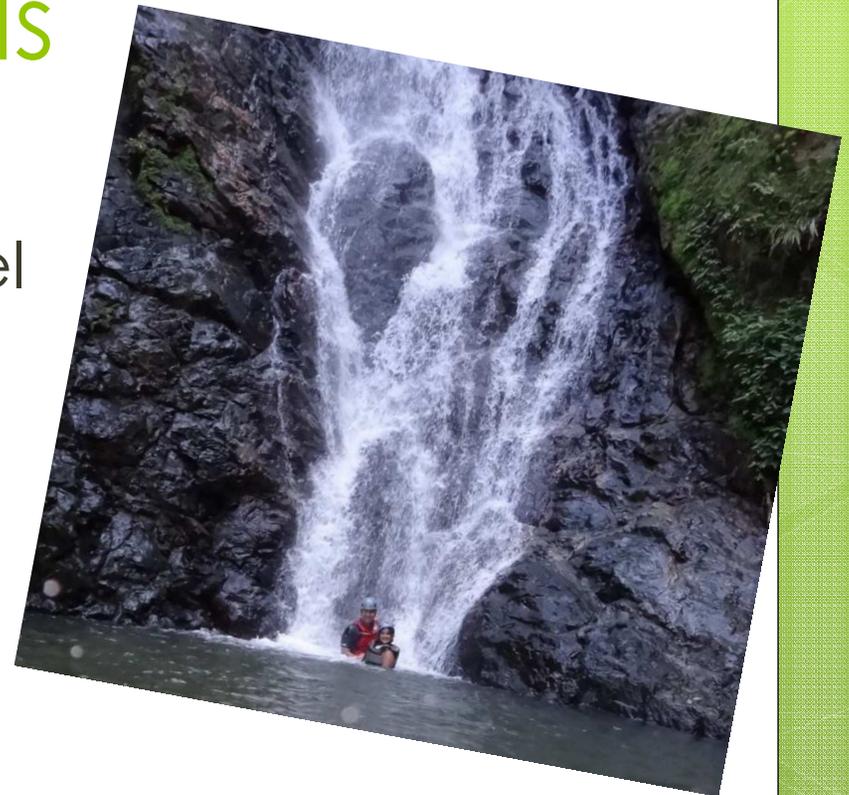
	Fixed	Chosen	Adjustable
Resources	✓		
Schedule		✓	
Features			✓

Well engineered software

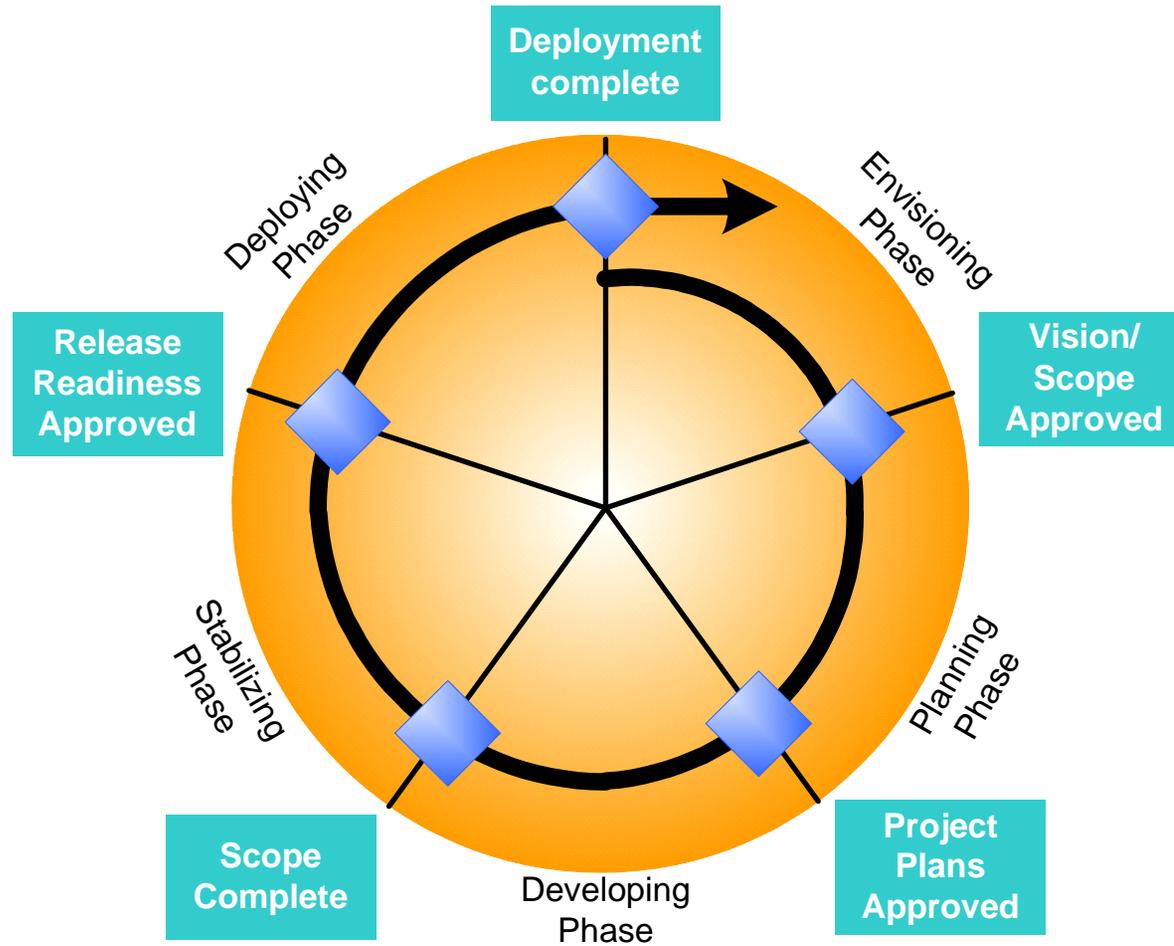
- Functional
- Maintainable
- Reliable
- Efficient
- Appropriate user interface
 - User-friendly
 - Expert-friendly

Software Models

- Waterfall model
- Iterative waterfall model
- Prototyping
 - Works well for us in government
- Others



MSF Process Model



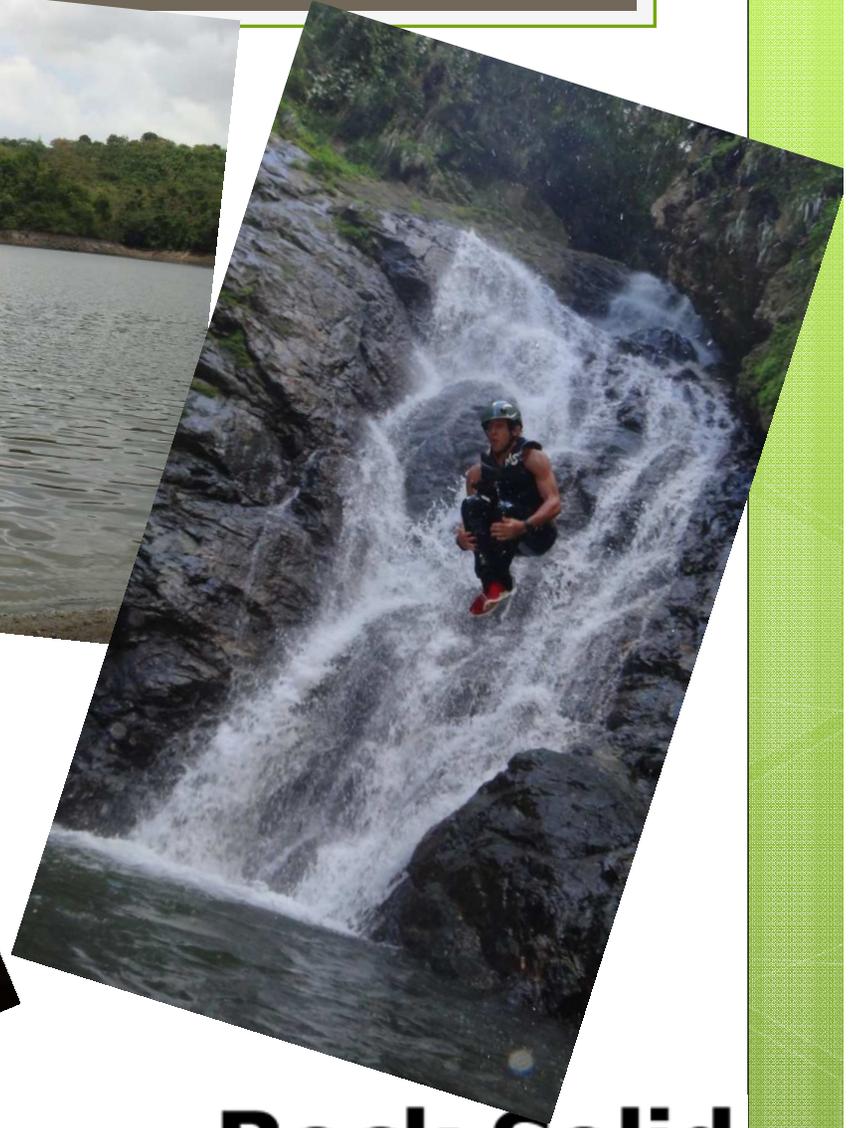


Software Engineering here?



Or here?





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311 de Panama



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Puerto Rico Software Development Map

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ME, Inc.

ion600
unique · optimize · achieve

SAP
®

Infotech
Creating Business Impact

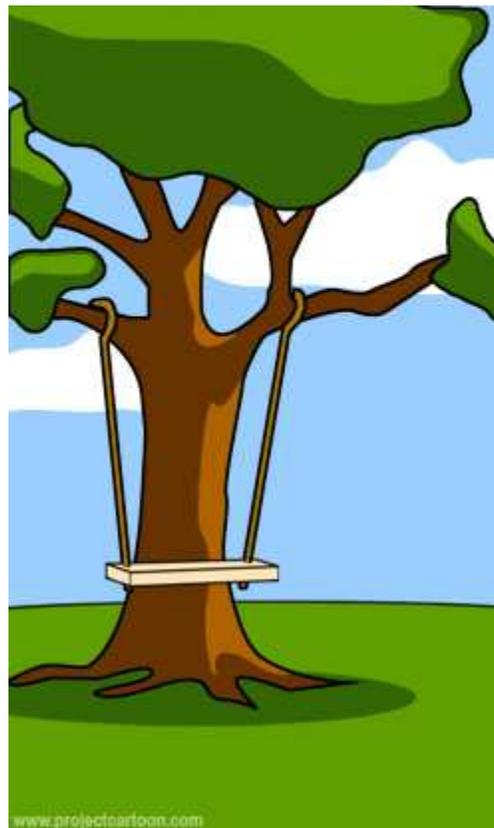
EVERTEC
Empowering business innovation

Softek
the power of knowledge

The key to good Software Engineering –
Knowing what the customer wants!



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Knowing what the customer wants!



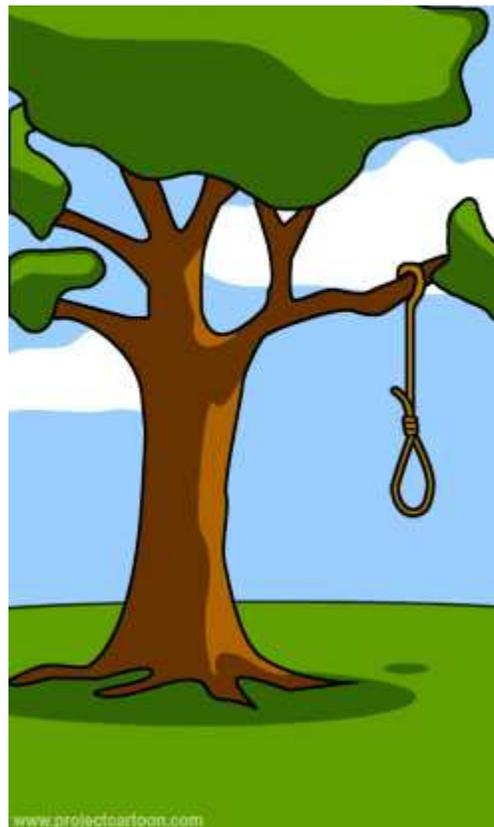
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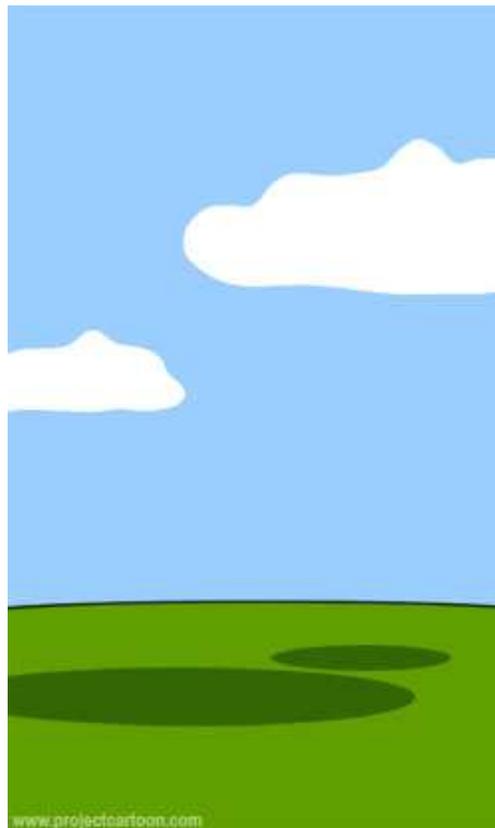
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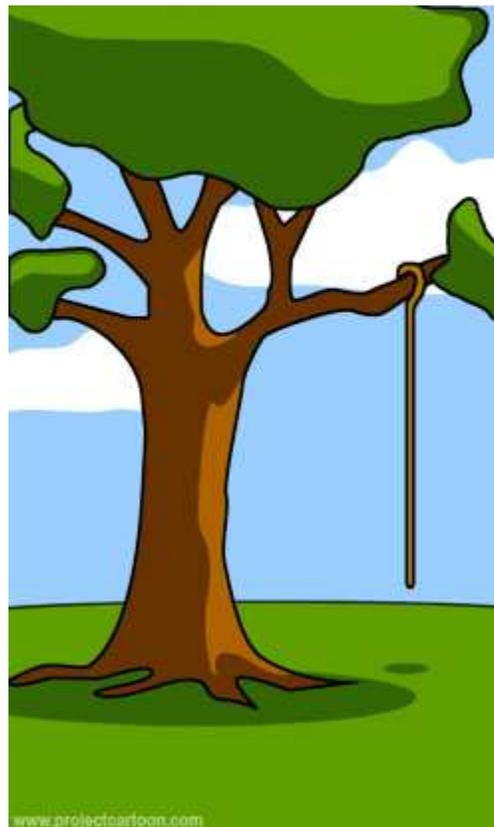
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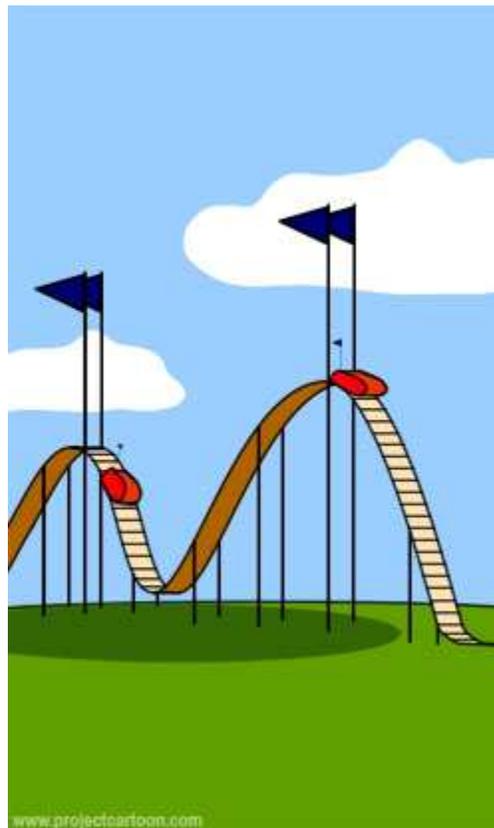
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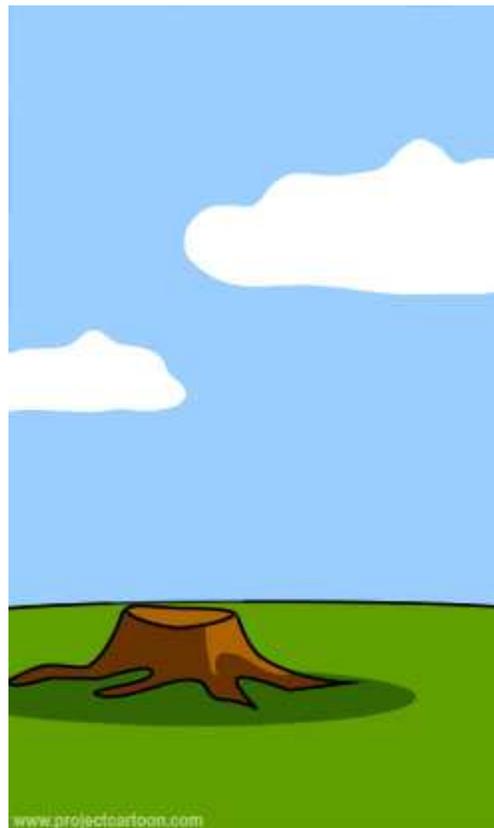
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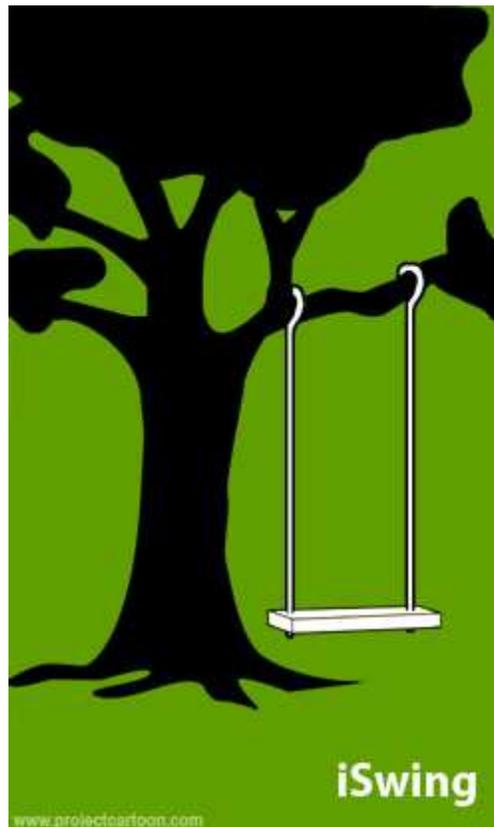
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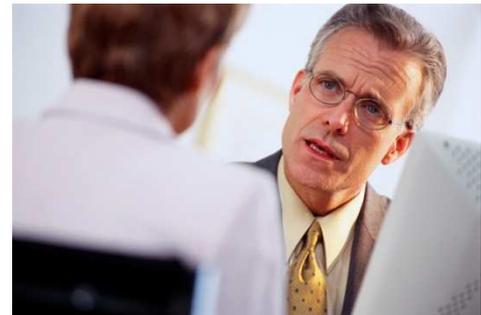
Rock Solid Scholarship 2012



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How to improve your chances?

- Learn to write
 - Not just software code
 - Spanish and English
- Learn to listen
- Learn to speak
- Networking: Student and Business Orgs
- Focus on learning the business
- Become a well rounded professional
- Give back to your community, \$chool, etc.



Thank you!

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