

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

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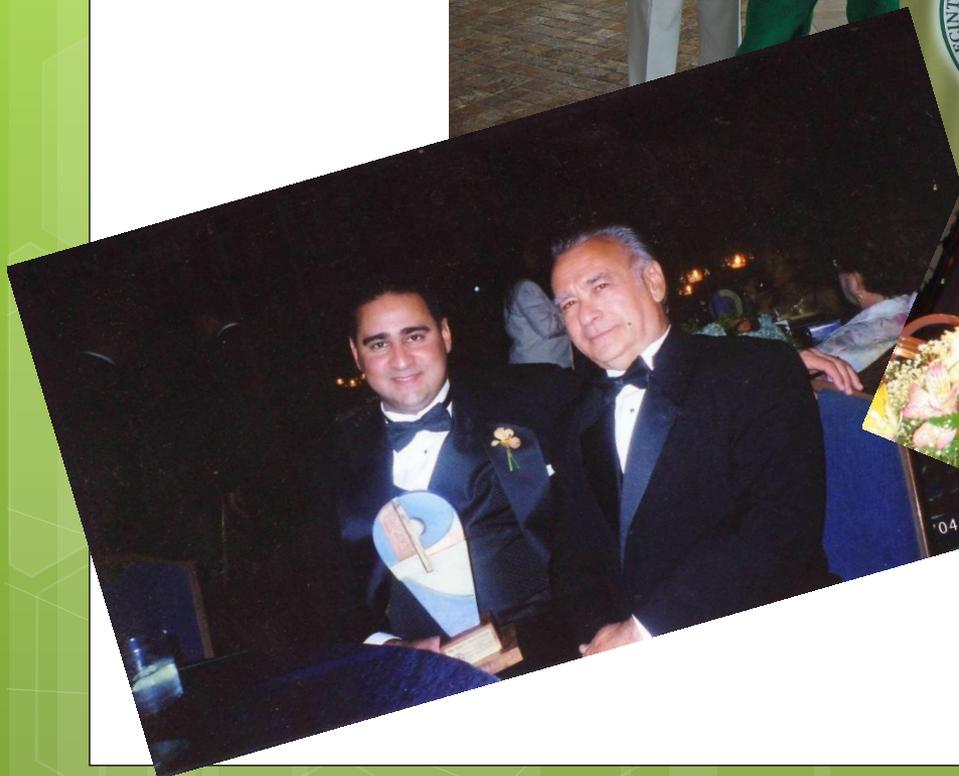
Software

Engineering
in Puerto
Rico





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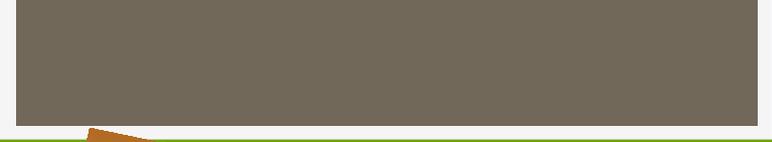
Rock Solid Technologies

www.rocksolid.com

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

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technologies

Microsoft[®]
GOLD CERTIFIED
Partner



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- Contact Info

- Angel L. Pérez-Galarza

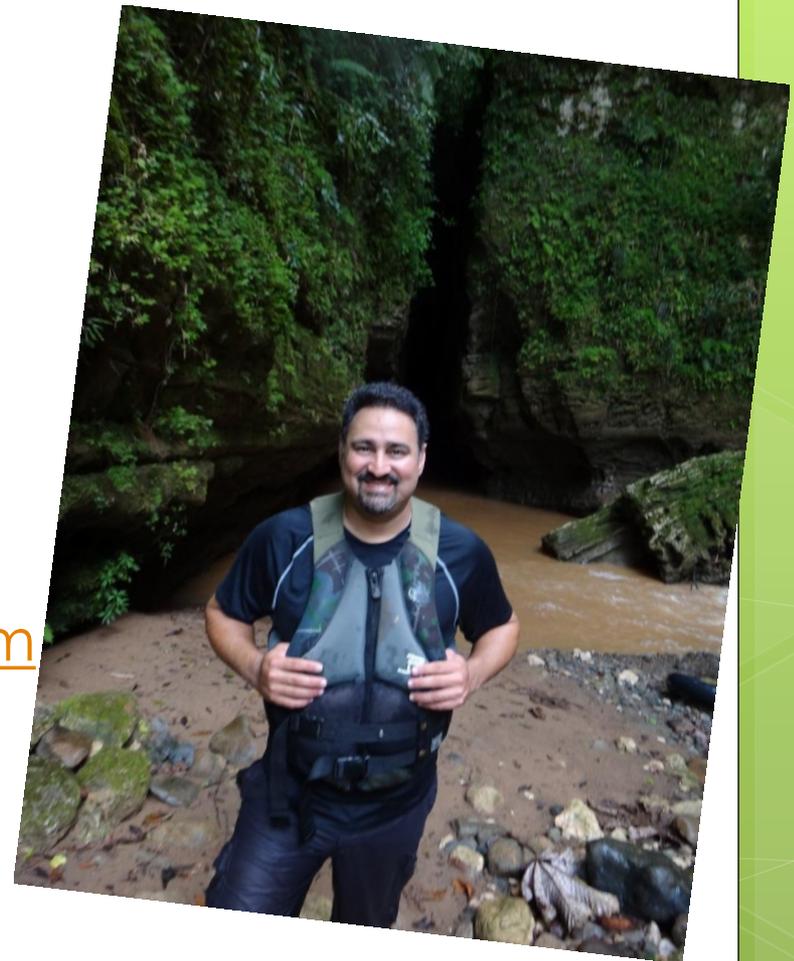
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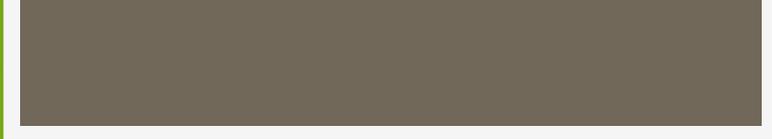
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Software engineering definition

- ... 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

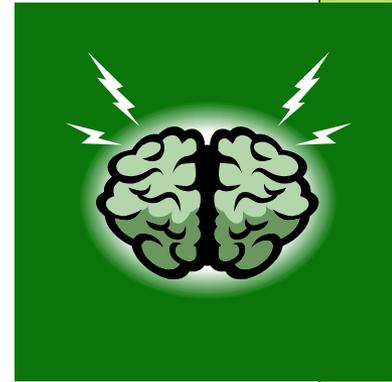


What is software engineering – my version?

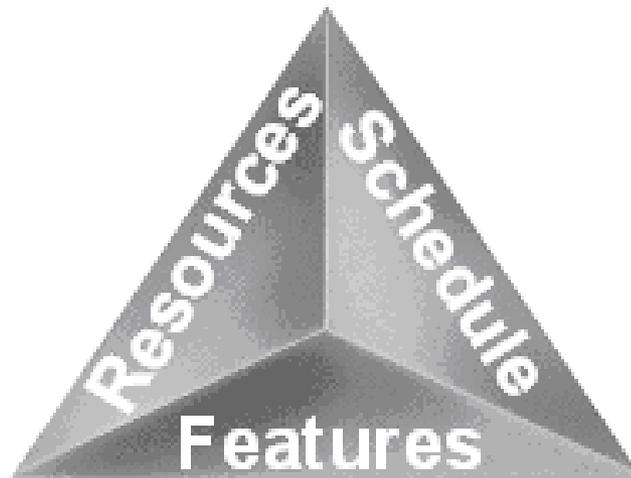
- Marketing
- Proposals
- Economic Analysis
 - ROI
 - TCO
- Sales
- Legal – Contracts
- Licensing
- Requirement Definition
- Prototype
- Risk Management



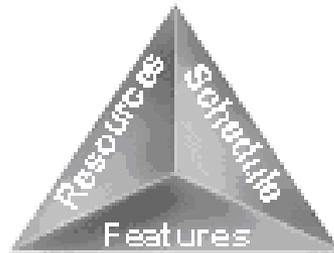
- Design
- Coding
- Testing
- More testing
- Training
- Implement
- On-site Support
- Help Desk
- Maintenance
- Enhancements
- Re-negotiate



Trade-offs Triangle



Tradeoff Matrix



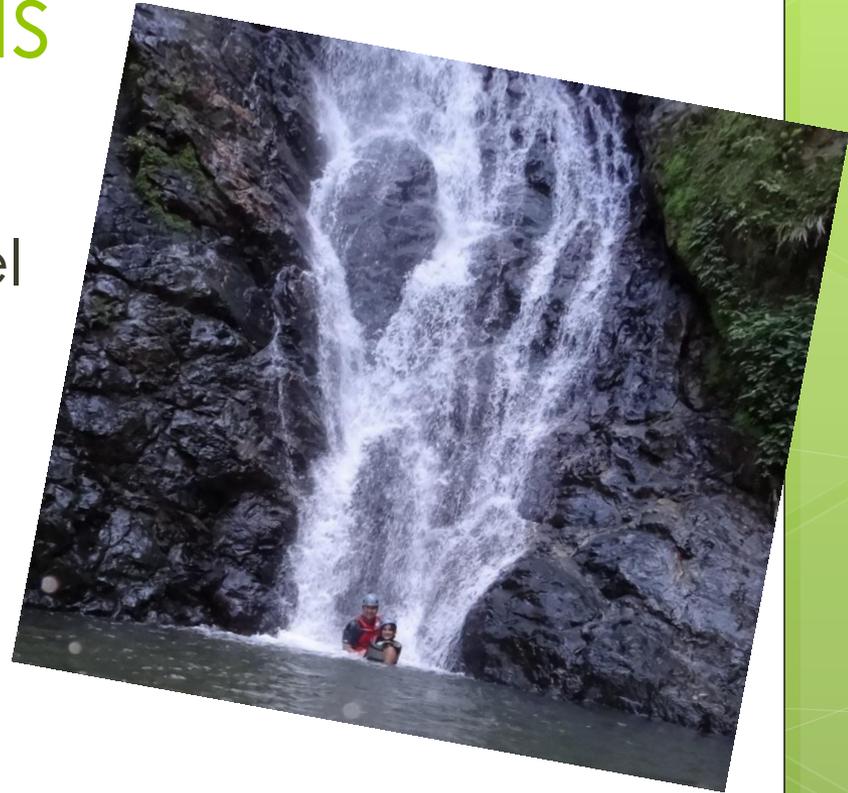
	Fixed	Chosen	Adjustable
Resources	✓		
Schedule		✓	
Features			✓

Well engineered software

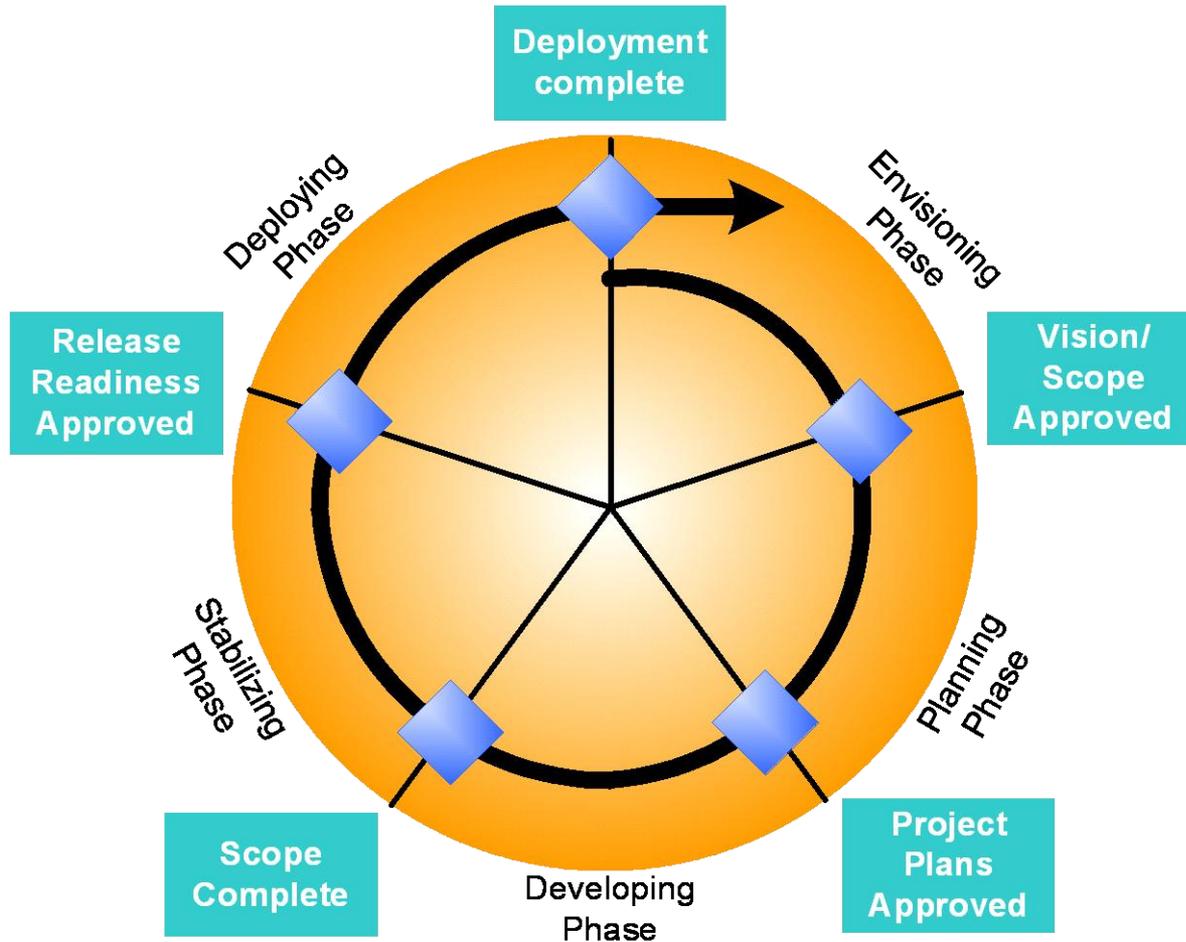
- Functional
- Maintainable
- Reliable
- Efficient
- Appropriate user interface
 - User-friendly
 - Expert-friendly

Software Models

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



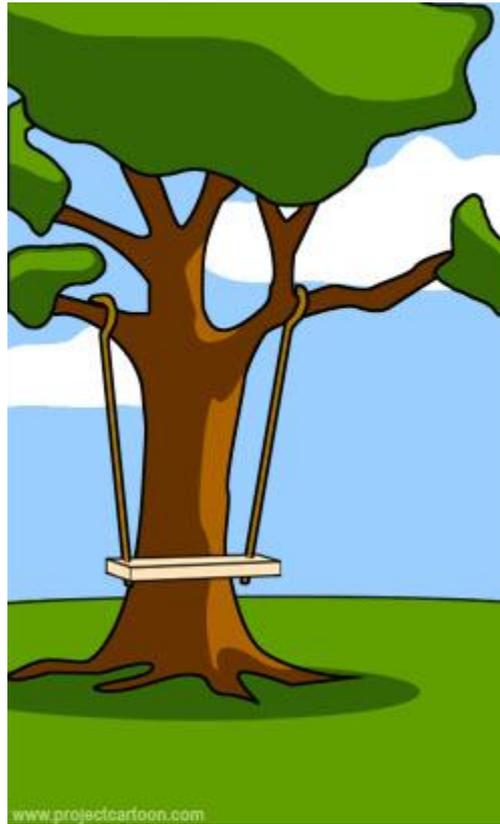
MSF Process Model



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



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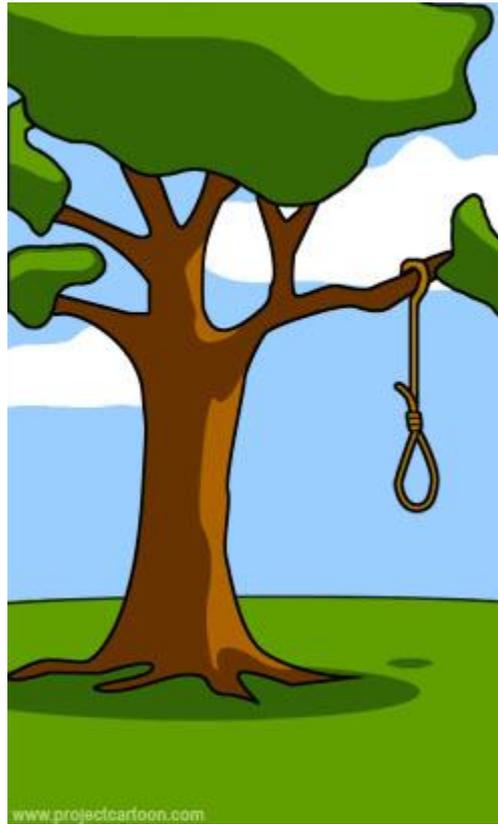
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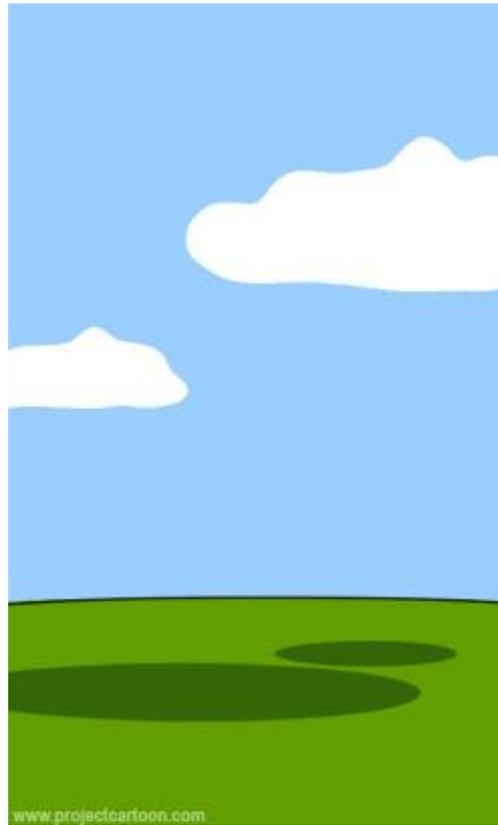
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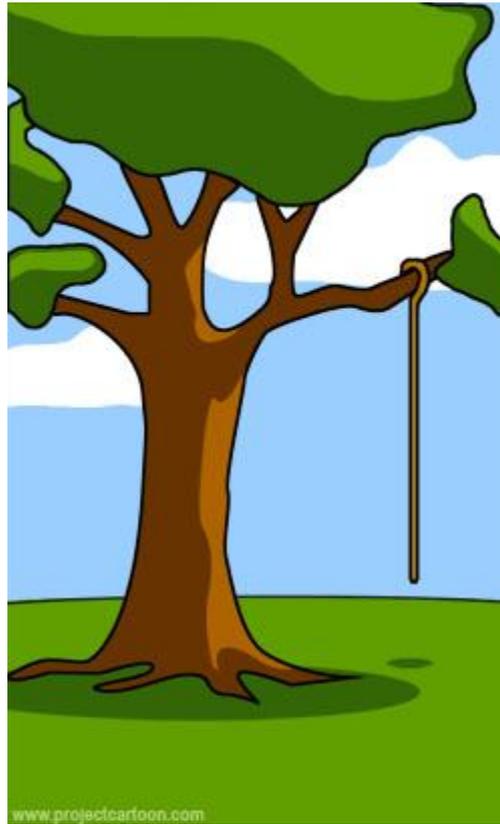
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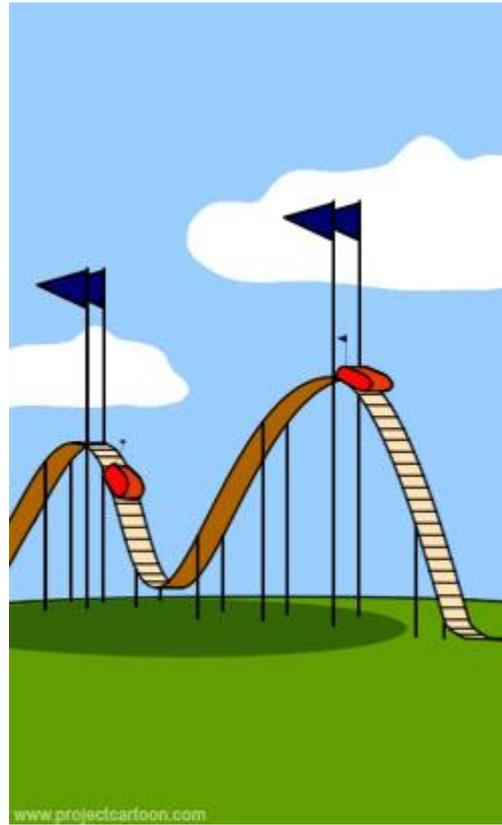
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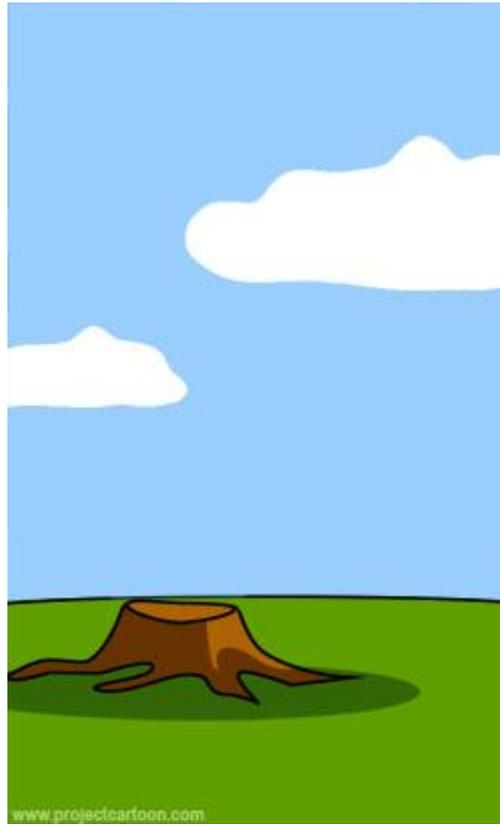
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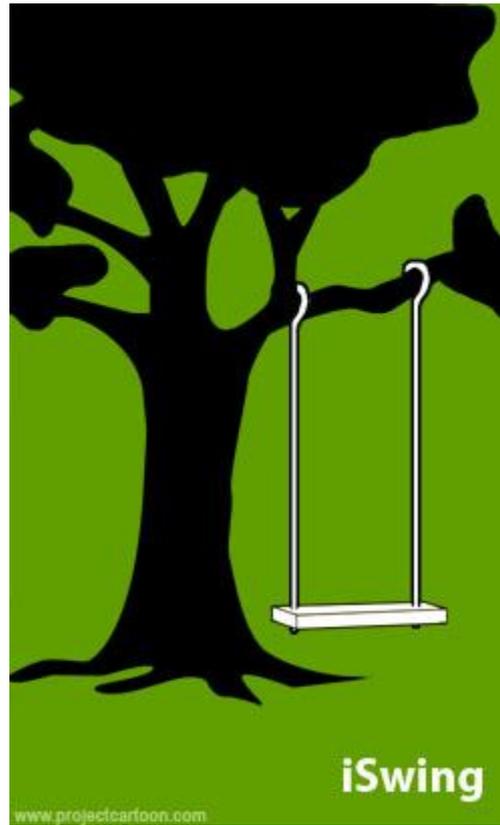
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Software Engineering here?



Or here?





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311 de Panama



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Puerto Rico Software Development Map

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ME, Inc.

ioanji
and more... optimize achieve

SAP
®

Infotech
Creating Business Impact

EVERTEC
Empowering business innovation

Softek
the power of knowledge

Rock Solid Scholarship 2012



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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